The Macintosh

Solutions & Multimedia Developers

G U I D E

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An Overview of Macintosh Solutions and Multimedia Tools

The Macintosh Solutions and Multimedia Developers Guide is a showcase for the best development tool products, vendors, and services. From scripting languages to client/server tools to multimedia authoring environments, this guide provides you with information to help you make informed decisions on tools purchases—decisions that will ultimately help you get your projects done faster and with better results.

APPLE'S FOUNDATION FOR INNOVATION

In the last decade, Apple Computer, Inc. has done more to improve the state of personal computing than any other computer manufacturer. Its products have changed the way people write, draw, communicate, and run their businesses, helping users become more productive.

Apple is now turning its attention to creating solutions and multimedia tools that provide developers with an equivalent leap in productivity. To achieve this goal, Apple is evolving its platform in four important areas:

- **From CISC to RISC:** The superior price/performance of RISC-based Power Macintosh computers will provide you and your users with the hardware "horsepower" needed to support more powerful applications.
- **From monolithic applications to component software:** OpenDoc,™ a technology that enables modular, cross-platform component software development, will lower your development costs, open up new product categories, and enlarge the customer base for your products.
- **From a passive graphical interface to active assistance:** "Active assistance" system software innovations, such as, the Apple® Guide intelligent help system, will help lower your support and documentation costs.
- **From information overload to productive collaboration:** New market opportunities will emerge as Apple releases new communications and client/server technologies that help users navigate vast stores of information and collaborate with others.

"The Power Macintosh will significantly increase the number of potential customers for your products and services."

ONE MILLION POWER MACS AND GROWING

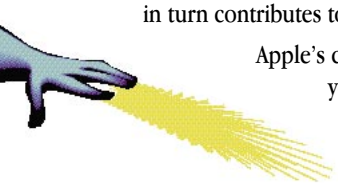
Preliminary results indicate that Apple's new platform strategy is paying off. Apple shipped one million RISC-based Power Macintosh™ computers just ten months after introduction, bringing its 1994 annual total of personal computers shipments up to 4,125,000, a 12 percent increase over the previous year (Source: IDC). At the January 1995 shareholder's meeting, Apple President Michael Spindler said that the Macintosh installed base is now around 17 million units. Bottom line, the Power Macintosh, along with Apple's plan to license the Mac™ OS, will significantly increase the number of potential customers for your products and services.

Along with the growing installed base, there are many strong reasons for content developers to create products for the Power Macintosh market. In 1994 this platform led the industry in price/performance, CD-ROM adoption, and consumer and education markets. In support of these claims, New Media magazine just named the Power Macintosh the best multimedia development platform (tied with the SGI Indy), beating out Pentium-based and Sun systems. Last year the CD-ROM connection rate more than doubled in the Macintosh installed base, increasing from 8 percent to 19 percent in 1994 (Source: Apple's 1994 U.S. Macintosh User Profile Study). And, Macintosh was the number one platform in the consumer and education markets, with 18.7 and 50.9 percent market share respectively (Source: 1994 Dataquest Report, A New Model for the PC Industry).

APPLE'S TOOLS STRATEGY

An important component of Apple's overall platform strategy is its strong development tools effort. Besides offering a core set of traditional development tools, Apple is investing more than ever in "breakthrough" technologies that will make its platforms as easy to develop for as they are to use. Apple's tools strategy can be summarized in three points:

- To facilitate the introduction of new development tools that provide you with a quantum leap in productivity. Apple is bringing these to market through internal efforts and partnerships with third-party vendors.
- To provide cross-platform tools that allow you to easily deploy products to Macintosh and Windows platforms, and soon, emerging platforms such as Pippin and interactive television.
- To drive the industry-wide adoption of Apple technologies, which in turn contributes to the popularity and longevity of Apple platforms.



Apple's commitment to create more cross-platform tools will help you repurpose your code across multiple platforms, reducing development costs. And the introduction of compatible

platforms, like Apple's new low-cost multimedia platform, Pippin, interactive television, and an industry-standard music/interactive media CD-ROM format, will open up whole new markets for your existing CD-ROM-based content.

SOLUTION TOOLS FOR RAPID DEVELOPMENT

Solution tools enable consultants, integrators, and value-added resellers to quickly create custom computer-based programs. In addition to the many excellent third-party solutions tools listed in this guide, Apple's flagship offerings are HyperCard® and AppleScript.™

HyperCard, the first visual solution-building tool, is now better than ever. Because of new features like color support, adherence to Macintosh human interface guidelines, and AppleScript integration, HyperCard is used by more than a million solution developers and is even used to create sophisticated commercial products like Myst.

Apple is investing more than ever in "breakthrough" technologies that will make its platforms as easy to develop for as they are to use.

AppleScript, Apple's easy-to-use scripting language, enables you to integrate off-the-shelf commercial applications—more than 100 applications are scriptable today—to create custom solutions for specific jobs. This ability to leverage existing applications frees you to focus on the unique aspects of specific projects.

A FULL PALETTE OF MULTIMEDIA TOOLS

Today Macintosh multimedia developers have access to the richest, broadest range of multimedia tools in the industry. Among the most popular multimedia authoring environments are Apple Media Tool, HyperCard, Macromedia Director,™ and Kaleida's ScriptX.™

The Apple Media Tool (and, for heavy-duty use, the Apple Media Tool Programming Environment) is a great authoring environment for creating cross-platform content. It's well suited to large, multi-person projects and uses a visual programming language, so nonprogrammers can use it.

Other important multimedia technologies include QuickTime,® a dynamic media integration tool, and QuickTime VR, "virtual reality" software that provides users with 360-degree viewing of photographic or rendered representations of a scene.

OPENDOC SOLUTION BUILDING BLOCKS

OpenDoc, a cross-platform development framework developed by Apple and its Component Integration Laboratories (CI Labs) business partners, will perhaps have the most significant long-term impact on your business. This new technology should help you lower your development costs,

compete more effectively in the market, open up new product categories, and enlarge the customer base for your products.

With OpenDoc, solutions providers will be able to build libraries of specialized part editor and then quickly integrate them with off-the-shelf products to create custom solutions. For multimedia developers, OpenDoc will enlarge the multimedia market by making it easier for mainstream users to incorporate mixed media into documents.

HOW THIS GUIDE CAN HELP

Whether you're an in-house developer, an integrator, or a multimedia developer, *The Macintosh Solutions and Multimedia Developers Guide* helps you select tools compatible with your skills and needs. Taking time to browse through this guide is a worthwhile investment—it's the most efficient way to find the best tools for your specific project.

You can also access this guide, along with information about Apple's developer programs, on the Internet at http://www.info.apple.com/dev or on AppleLink at path: Developer Support: Developer Services: Apple MM Program.

PRODUCT CATEGORIES

Tools listed in this guide are organized alphabetically by company name within categories. To help you more efficiently find the type of tool you're looking for, each product listing includes a color coded category bar at the bottom of the page. The categories are defined below.

AppleScript Tools *enable you to automate, customize, and integrate off-the-shelf software into seamless solutions.*

HyperCard, *more powerful and versatile than ever, can be used with specialized toolkits to automate a variety of tasks, from controlling CD audio tracks to integrating videodisc motion sequences.*

Multimedia Tools *help you integrate sound, images, and video into software titles, electronic books, presentations, and other multimedia projects.*

Newton Tools *facilitate the development of commercial and vertical market software for Newton personal digital assistants.*

Application Tools *are used to build "double-clickable" applications. Under this category you'll find traditional development environments, compilers, linkers, editors, and debuggers.*

Solution Tools *help systems integrators, in-house developers, and power users build custom software solutions.*

Programmable Databases *are the backbone on which many custom software solutions are built.*

Peripherals, *such as, printers, scanners, and mass storage, are essential in solutions and multimedia development.*

Consultants, Services, and Publications *are resources that can help expedite your software development projects.*

AppleScript

The powerful tool for integrating application software. Complex scripts are just as easy to build, understand and maintain as simple scripts.

FEATURES

- Enables the creation of custom solutions based on off-the-shelf applications
- Allows you to automate routine or highly complex tasks, integrating functionality while concealing complexity
- Allows you to generate scripts automatically by "recording" your actions (applications must support Open Scripting Architecture [OSA] recording)
- Provides a full-featured, object-oriented scripting language
- Lets you create scripts that work across multiple applications and across networks
- Includes an interface processor, which lets you create complete Macintosh user interfaces and applications built on scripts

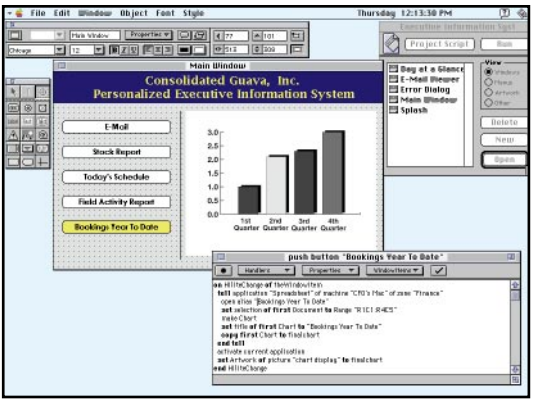
REQUIREMENTS

Any Macintosh computer, with at least 4MB RAM; System 7 or later (Interface processor requires version 7.0.1 or later).

ORDERING

For the location of a Macintosh software reseller or mail order catalog, call (800) 538-9696.

APDA
APPLE COMPUTER, INC.
Canada: (800) 637-0029
International: (716) 871-6555
Tel: (800) 282-2732
Fax: (716) 871-6511



AppleScript® is a powerful and versatile tool that makes it easy to integrate the functionality of scriptable applications into a single, seamless, custom solution. It can control an organization's information and workflow, and streamline many of the complex tasks involved in supporting a distributed environment.

Working with AppleScript is easy and intuitive. The AppleScript language features a natural syntax, making even complex scripts easy to build, understand and maintain. And with the included FaceSpan™ interface builder, you can easily create applications with a professional look and feel.

Whether you're an in-house developer, a systems integrator, a consultant, or simply a user who wants to get the most out of your Macintosh, Applescript provides a breakthrough in computing flexibility and functionality.

FaceSpan v2

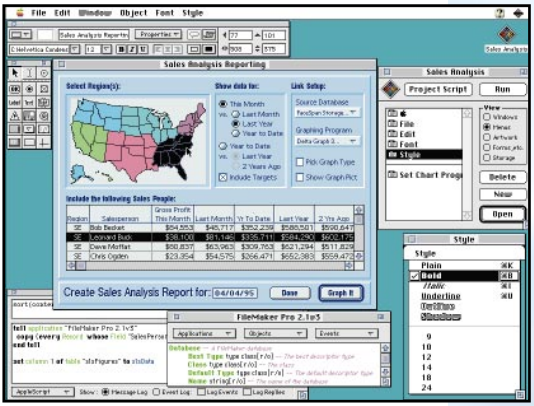
The Interface Designer & Application Builder

FEATURES

- **Develop Integrated Software—** Create solutions that combine spreadsheets, databases, and page layout programs.
- **Make Standalone Applications—** FaceSpan applications can be saved as application programs that you can distribute to others royalty free.
- **Create Friendly Interfaces—**Make simplified "command centers" for complicated scriptable applications.
- **Develop Quick Prototypes—**Any type of application can be prototyped with FaceSpan, at any level of detail.

PRICING

$199, which includes a royalty-free distribution license for unlimited run-time users. Also includes a FREE UPGRADE to the next version.



FaceSpan™ v2 is an extensible Rapid Application Designer (RAD) which makes building applications quick and easy. It combines an interactive, visual interface design environment with the object-oriented power of AppleScript or any other OSA language. Best of all, FaceSpan allows you to integrate the capability of any scriptable programs into your custom application.

FaceSpan's visual interface design tools let you design applications that are as simple or as sophisticated as you need. Your FaceSpan applications can include any number of windows, dialogs, palettes, and menus. In them, you can display scrolling lists, pop-up menus, scrolling text, movies, multi-column tables, pictures, icons, buttons, and much more. While no scripting is needed for standard behaviors, every item may have its own script. You can even program custom objects using Pascal or C.

Try the perfect choice for MIS professionals, power users, consultants, and programmers – FaceSpan!

SOFTWARE DESIGNS UNLIMITED INC.
1829 East Franklin Street, Suite 1020
Chapel Hill, NC 27514-5861
Orders: (800) FACESPAN
Int'l: (214) 578-6700
Fax: (214) 423-5360
e-mail: FaceSpan@SDU.com

Scripter Family of Scripting Products

FEATURES

Over 25 features, including:

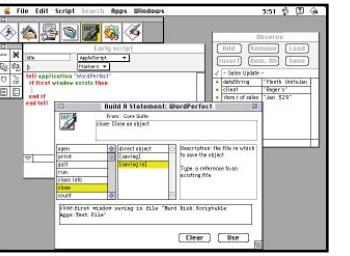
- Extended editing—drag-and-drop; 6-function find-and-replace
- Easier access to application vocabularies—point-and-click assembly of commands and object specs; command window for experimentation
- Shortcuts—many scripting time-savers
- Debugging—variable watcher, expression evaluation, enhanced trace log, true single-step debugging!
- Much, much more…

REQUIREMENTS

Any Macintosh computer running System 7 (or later) and AppleScript.

PRICING

Scripter: $199
ScriptBase: $79



Scripter,® the Script Construction Set, is the foremost editing and development environment for AppleScript. Scripter is a shortcut to AppleScript's capabilities, is both powerful and easy to use, and appeals to the novice and expert alike. Whether you're looking for a tool to introduce yourself to AppleScript, or a well-crafted development environment, Scripter is the obvious choice.

ScriptBase,™ the scripting database, provides a central repository for variable values and objects, accessible from scripts running anywhere on your computer. Start scripting with power!

MAIN EVENT
1814 Belmont Road, NW
Washington, DC 20009
Tel: (202) 298-9595
AppleLink: MAIN.EVENT

PreFab Player

FEATURES

- Adds to your scripting language
- Small footprint
- Inexpensive Runtime version
- Easy to distribute scripts and updates
- Used worldwide by system managers, consultants, desktop publishers and multimedia developers

REQUIREMENTS

System 7 or later; 300K RAM; AppleScript or Frontier.

PRICING

$95 (Includes one license for Player Runtime)
Additional Runtime licenses are $25 for one; $20 each for 10 or more.

PreFab Player™ is a faceless background application (similar to a system extension) that makes all applications, desk accessories and control panels scriptable. Player adds verbs to AppleScript and Frontier™ to query and control the Macintosh user interface, allowing you to choose from menus and pop-ups, select radio buttons, type text, determine the name of the frontmost window, the state of a checkbox, etc. Balloon Help™ identifies non-standard dialog items.

PREFAB SOFTWARE, INC.
34 Bartlett Street
Somerville, MA 02145
CompuServe: 70214,424
Orders: (617) 628-9025
Tel: (617) 628-9555
Fax: (617) 628-9043
Internet: player@prefab.com

DataScript

Whether you're creating client/server applications for vertical markets with FaceSpan or automating database publishing with QuarkXPress, make sure DataScript is part of your solution.

DataScript helps you take data integration to the max by seamlessly flowing information from Oracle, Sybase, DAL, dtF or SequeLink database servers into documents created by any AppleScript-able application.

Requirements: System 7.x; 256K to 1MB RAM; hard disk; appropriate database client software.

Pricing: $249

DataScript™
The Scriptable Database Client

GENERAL KNOWLEDGE
Chalwyn Industrial Estate, Parkstone
Poole, Dorset BH15 3PF UK
Tel: (44) 1202-746026
Fax: (44) 1202-715600
AppleLink: KNOWLEDGABLE
Internet: knowledgable@applelink.apple.com

Sonar Image

Sonar Image is an AppleScript-aware document imaging product. Its professional features include scanner control, optical character recognition and high speed text retrieval functions.

Designed for archiving, researching and annotating large bodies of text, Sonar Image allows you to search through thousands of documents at extraordinary speeds. A copy of the original scanned document can be displayed and printed.

Sonar Image is a powerful tool for archiving, retrieving, and analyzing information, and it is one of several text retrieval and indexing products from Virginia Systems.

Requirements: 68020 or greater; 16 MB RAM; hard drive; scanner; System 7.
Pricing: $1295.00

VIRGINIA SYSTEMS, INC.
5509 West Bay Court
Midlothian, VA 23112
Tel: (804) 739-3200
Fax:(804) 739-8376
AppleLink: VASYS

SONAR IMAGE®

SCRIPTABLE APPLICATIONS

If you're looking for a flexible way to customize your Macintosh computing environment and automate often-repeated tasks–AppleScript is the answer. As a consultant, value-added reseller, or in-house systems developer, you can compile scripts or create custom, stand-alone applications that let people perform complex operations just by clicking a button.

The following companies offer products that provide various levels of scripting capabilitites for Macintosh computer users. Each product listing includes a phone number you can call to get specific information on its pricing and scriptability.

ACI US, INC. — **4TH DIMENSION 3.1**
(408) 252-4444 — 20883 Stevens Creek Boulevard • Cupertino, CA 95014
4th Dimension and 4D Server are compatible with AppleScript, offering additional capabilities to developers and users of the relational database. For more information, see page 56.

ACI US, INC. — **OBJECT MASTER 2.1**
(408) 252-4444 — 20883 Stevens Creek Boulevard • Cupertino, CA 95014
Object Master 2.1 is a development tool for procedural and object-oriented programming. This robust programming tool works seamlessly with all major compilation systems. Object Master supports C, C++, Pascal, and Modula-2 programming languages. It provides a powerful scriptable source code editor with time saving features that makes navigating through source code easier.

ADDITIONAL DESIGN — **BACKUP RETRIEVER PRO 1.2.2**
011-33 1 6 907-3028 — 10 Ave. du Quebec, Local Postal 52291946 • Les Ulis cedex B, France
Backup Retriever Pro is a backup utility for hard disks, removable disks, tape drives and file servers. Features include: data compression, encryption, automatic connec4tion to file servers and more. Backup sessions are fully scriptable with AppleScript.

Continued

ADOBE SYSTEMS, INC. **ADOBE ACROBAT 2.0**
(415) 962-2678 1585 Charleston Road • Mountain View, CA 94039-7900
Adobe Acrobat software is the fastest, lowest cost way to move beyond paper. Simply "print" files to the Portable Document Format (PDF). You get color, graphics, fonts, easy navigation and printing, plus the efficiency of electronic access. Send a PDF file and free Acrobat Reader to any Macintosh or Windows user, and they can view or print the document with the hardware and software they already have. This product is fully scriptable with AppleScript.

ADOBE SYSTEMS, INC. **DATEBOOK PRO 2.5**
(415) 961-4400 P.O. Box 7900 • Mountain View, CA 94039-7900
DateBook Pro 2.5 combines calendar, scheduling, to-do lists, and alarms into one package to keep you on top of your appointments and projects. Datebook Pro is now scriptable providing support for the core Apple Events suite, and Scheduling suite. It will allow you to communicate calendar information from DateBook Pro to other applications that support Apple events.

ADOBE SYSTEMS, INC. **TOUCHBASE PRO 4.0**
(415) 961-4400 P.O. Box 7900 • Mountain View, CA 94039-7900
TouchBase Pro is a powerful contact database for both business and home office computing use. TouchBase Pro is now scriptable, providing support for the core Apple Events suite, as well as, the Personal Information suite. It will allow you to communicate contact information from TouchBase Pro to other applications that support Apple events.

ALADDIN SYSTEMS **STUFFIT DELUXE 3.0.1**
(408) 761-6200 165 Westridge Drive • Watsonville, CA 95076
StuffIt Deluxe is a compression, encryption, and archiving program that compresses files up to one-third of their original size. You can use StuffIt Deluxe for such tasks as automatically saving disk space, speeding up the modem or network transfers, and backing up files. For more information, see page 38.

ALADDIN SYSTEMS **SITCOMM 1.0**
(408) 761-6200 165 Westridge Drive • Watsonville, CA 95076
SITcomm, which stands for Simply Intuitive Telecommunications, is a communications program that allows you to connect to commercial on-line services, bulletin board services, and the Internet.

APPLE COMPUTER, INC. **PHOTOFLASH**
(800) 776-2333 1 Infinite Loop • Cupertino, CA 95014
Apple's PhotoFlash software is a page-layout companion that enables you to quickly and easily acquire photos, enhance them, and then place them in your documents. PhotoFlash includes catalog windows to simplify image selection and scripts to place photos in documents created using popular page-layout applications.

APPLE COMPUTER, INC. **HYPERCARD 2.3**
(800) 776-2333 1 Infinite Loop • Cupertino, CA 95014
HyperCard 2.3 allows you to attach AppleScript scripts to HyperCard objects, such as, buttons to launch and control other applications, exchange data with them, and so on—even over a network. For more information, see page 17.

BANYAN SYSTEMS **POWERRULES 1.0**
(508) 898-1000 120 Flounders Road • Westborough, MA 01581
PowerRules is an ad-on application for System 7 with PowerTalk that lets you conquer information overload and access information quickly and easily. With AppleScript, the advanced features of PowerRules give you the capability to automate workflow and ongoing communications within a workgroup.

BRIO TECHNOLOGY, INC. **DATAEDIT**
(415) 961-4110 650 Castro Street, Suite 500 • Mountain View, CA 94041
DataEdit is a graphical rapid application development tool for cross-platform development of forms-based data entry and query by form front ends to SQL databases.

BRIO TECHNOLOGY, INC. **BRIOQUERY 3.0**
(415) 961-4110 650 Castro Street, Suite 500 • Mountain View, CA 94041
BrioQuery 3.0 is a complete, cross-platform, ad hoc visual query, analysis and reporting tool designed for data warehouses. For more information, see page 51.

CAMBRIDGESOFT CORPORATION **CHEMDRAW PLUS 3.1**
(617) 491-4510 875 Massachusetts Avenue • Cambridge, MA 02139
ChemDraw Plus is designed to make chemical structure drawing as simple as possible. It provides specialized tools for drawing chemical structures, reactions and mechanisms, as well as, powerful general-purpose drawing and text tools. This product is scriptable with AppleScript.

CAMBRIDGESOFT CORPORATION — **CHEM3D PLUS**
(617) 491-4510 — 875 Massachusetts Avenue • Cambridge, MA 02139
Chem3D Plus is a versatile desktop modeling and analysis standard. Reactivity and other chemical properties often follow from the geometry and stereochemistry of molecules. With CHem3D, you will gain insight into molecular behavior by visualizing models using real-time animation. Chem3D's AppleScript support includes Core and Text suites, as well as, specialized Chem3D suite of events.

CANTO SOFTWARE, INC. — **CUMULUS POWERPRO**
(800) 332-2686 — 330 Townsend, Suite 212 • San Francisco, CA 94107
Cumulus PowerPro is the leading client/server image database. It allows access to any image in seconds. Cumulus is a MacUser Editor's Choice Award winner of 1994.

CANTO SOFTWARE, INC. — **CIRRUS POWERPRO**
(800) 332-2686 — 330 Townsend, Suite 212 • San Francisco, CA 94107
Cirrus PowerPro is the professional scanning product that offers features like batch-scanning and remote-scanning. Cirrus is a MacUser Editor's Choice Award Finalist for 1993.

CE SOFTWARE, INC. — **QUICKEYS 3.0.8**
(515) 221-1801 — 1801 industrial Circle • West Des Moines, IA 50265
QuicKeys 3.0.8 lets you customize and automate your computing environment by delegating tasks to your Macintosh computer and thereby eliminating the monotony of repetitive routines. You can type text blocks with a single keystroke.

CHANG LABS — **C*A*T IV**
(408) 727-8096 — 10228 North Sterling Road • Cupertino, CA 95014
C*A*T contact manager is a relational database designed for sales automation, mobile computing, and customer-based marketing. The new C*A*T IV features an iconic interface that leads you through common tasks like label printing, mail merge, list printing, and printing documents. This product is both scriptable and attachable.

CHANG LABS — **TABLESERVER 1.0**
(408) 727-8096 — 10228 North Sterling Road • Cupertino, CA 95014
TableServer is a windowless server program that manages columnar data and is designed to interact with other programs through AppleScript. Sample scripts demonstrate mail merge using TableServer and Quill; shipping cost look-up from TableServer into a FileMaker invoice; and price look-up into an excel quotation. TableServer is fully scriptable with AppleScript.

CHENA SOFTWARE, INC. — **INFODEPOT**
(610) 770-1210 — 905 Harrison Street • Allentown, PA 18103
InfoDepot is an easy-to-use project manager. The outline, table, time line, and form views provide the perfect way to collect and organize project details. It is real-time, multiuser.

CLARIS CORPORATION — **FILEMAKER PRO 2.1**
(408) 987-7000 — 5201 Patrick Henry Drive • Santa Clara, CA 95052-8168
FileMaker Pro 2.1, the award-winning cross-platform end-user database software from Claris Corporation, lets you manage anything from contracts and inventory to sophisticated commercial database applications with surprising ease of use. Suggested retail price: $399.

CLARIS CORPORATION — **FILEMAKER PRO SDK 2.1**
(408) 987-7000 — 5201 Patrick Henry Drive • Santa Clara, CA 95052-8168
FileMaker Pro SDK 2.1 is a cross-platform CD-ROM based application that provides everything a developer needs to create FileMaker Pro run-time solutions on Macintosh or Windows. Suggested retail price: $499 (if member of Claris Solution Alliance Program). For more information, see page 58.

CLARIS CORPORATION — **MACPROJECT PRO**
(408) 987-7000 — 5201 Patrick Henry Drive • Santa Clara, CA 95052
MacProject Pro, the ideal tool for staying on time and under budget, is the next generation of the number one choice for Macintosh project management. It is fully scriptable with AppleScript.

CLARIS CORPORATION — **MACWRITE PRO**
(408) 987-7000 — 5201 Patrick Henry Drive • Santa Clara, CA 95052
MacWrite Pro offers sophisticated productivity tools and accessible desktop publishing functionality so you can easily create documents with impact. It is fully scriptable with AppleScript.

CYPRESS RESEARCH CORPORATION — **MEGAPHONE**
(408) 752-2700 — 240 East Caribbean Drive • Sunnyvale, CA 94089
Designed to streamline and automate mundane phone tasks, MegaPhone smart telephone software is a high-fidelity, screen-based telephone solution for the Apple GeoPort Telecom Adapter Kit.

ESSEX SYSTEMS — **DATASCRIPT**
(201) 338-4336 — P.O. Box 1818 • Bloomfield, NJ 07003-1818
DataScript, the scriptable database gateway, offers AppleScript-able access from any scriptable application to all major SQL database systems, including ORACLE, SYBASE, ODBC and DAL.

FACEWARE — **SCRIPTIT 1.0**
(217) 328-5842 — 1310 North Broadway • Urbana, IL 61801
ScriptIt is a developer's tool that provides a high-level programming interface to AppleScript, and extends AppleScript in ways that facilitate communication between script and program.

FULL MOON SOFTWARE — **SCRIPTWIZARD**
(408) 253-7199 — 1574 South Blaney Avenue • San Jose, CA 95129
ScriptWizard is a powerful new editor and debugger with true single-step script execution, variable-watching and a host of other professional editing features. Suggested retail price: $ 99.00

GRAPHICAL BUSINESS INTERFACES, INC. — **THE DATABASE SCRIPTING KIT**
(800) 424-7714 — R.R. 1, Box 260A • Monticello, IN 47960
The Database Scripting Kit provides Data Access Language (DAL) and Data Access Manager (DAM) services within any OSA compliant or Apple Events-aware applications.

GREAT PLAINS SOFTWARE — **DYNAMICS, SYSTEM MANAGER**
(701) 281-0550 — 1701 38th Street SW • Fargo, ND 58103
Great Plains Dynamics is a graphical, network-ready accounting solution that can be adapted to individual business needs in financial reporting, accounting, payroll, purchasing, inventory, and project managment.

HEIZER SOFTWARE — **PREFAB PLAYER**
(800) 888-7667 — P.O. Box 232019 • Pleasant Hill, CA 94523
PreFab Player controls non-scriptable applications and fills gaps in scriptable applications. Script control panels and desk accessories add to your scripting language, control the frontmost application, and more! Item# 30-0939: $95.00

HEIZER SOFTWARE — **SCRIPTWIZARD**
(800) 888-7667 — P.O. Box 232019 • Pleasant Hill, CA 94523
ScriptWizard brings professional script editing and debugging to OSA languages, such as, AppleScript and UserTalk. It includes single step Apple Events execution, variable watcher, event logger, search and replace and more! Item #30-0938: $99.00

HEIZER SOFTWARE — **SCRIPTING THE SCRIPTABLE FINDER**
(800) 888-7667 — P.O. Box 232019 • Pleasant Hill, CA 94523
Topics covered in this book include writing and running finder scripts, finder objects, finder commands, and scripts with a network; reading and writing files. Companion disk is included. Item# 30-0937: $49.00

ISIS INTERNATIONAL, INC. — **FLASH-DATA**
(818) 788-4747 — 14270 Dickens Street, Suite 6 • Sherman Oaks, CA 91423-4196
Flash-Data has the following features: data collection; PDA/desktop transfer; barcode, choice lists, checkboxes, radio buttons, multiple-line text; calculated fields; picture fields; scriptable Macintosh side.

ISIS INTERNATIONAL, INC. — **ISIS NOTES**
(818) 788-4747 — 14270 Dickens Street, Suite 6 • Sherman Oaks, CA 91423-4196
ISIS Notes allows users to privately send messages, files, voice-mail and executable/attachable scripts across a network. It facilitates office automation in your business. It has a fat binary.

ISIS INTERNATIONAL, INC. — **SYSTEM 7 PACK**
(818) 788-4747 — 14270 Dickens Street, Suite 6 • Sherman Oaks, CA 91423-4196
System 7 Pack makes 4D send and receive Apple Events for Excel, HyperCard, FileMaker, GeoQuery, MapGraphics, Director 4.0, etc. Regular and native Power Mac editions are available with AppleScript.

LINKSWARE — **LINKSWARE**
(408) 372-4155 — 641 Lily Street • Monterey, CA 93940
LinksWare is multimedia made easy. Use your own files; click on a word, retrieve and display a file. It received four stars for "ease of use" from MacWeek.

MAIN EVENT — **ROSANNE 1.0**
(202) 298-9595 — 1814 Belmont Road, NW • Washinton, DC 20009
Rosanne is a set of data processing utilities for such tasks as creating mailing lists and entering large amounts of information to databases, tasks traditionally done on a mainframe or mini computer.

MAIN EVENT — **SCRIPTBASE 1.0.3**
(202) 298-9595 — 1814 Belmont Road, NW • Washinton, DC 20009
ScriptBase is a tool designed for any AppleScript developer or user. It provides a database where global persistent data can be stored and made available to the AppleScript language, from any script at any time on your computer.

MAIN EVENT — **SCRIPTER 1.0**
(202) 298-9595 — 1814 Belmont Road, NW • Washinton, DC 20009
Scripter is a script generation/development tool for creating AppleScripts. It is for the novice script writer, solution provider or expert script developer. Using Scripter's point-and-click interface, you can create a script by manipulating objects corresponding to scripting elements. Scripter then guides you through the details of creating each AppleScript statement. For more information, see page 10.

MARK/SPACE SOFTWORKS — **PAGENOW**
(408) 293-7299 — 111 West St. John, 2nd Floor • San Jose, CA 95113
Using PageNOW, you can send messages from your Macintosh to alphanumeric pagers, and forward e-mail from the Internet, cc:mail, AppleLink, eWorld, and AOL to text pagers using AppleScript.

MARK/SPACE SOFTWORKS — **COMMUNICATE PROFESSIONAL**
(408) 293-7299 — 111 West St. John, 2nd Floor • San Jose, CA 95113
Combined with AppleScript, Communicate becomes a tool that can be automated to perform such day-to-day tasks as checking e-mail or getting the latest stock quotes from an on-line service.

MICROSOFT CORPORATION — **MICROSOFT WORD FOR THE MACINTOSH 6.0**
(206) 936-8143 — One Microsoft Way • Redmond, WA 98052
Microsoft Word for the Macintosh 6.0 continues the tradition of providing a powerful word processor with added support for Macintosh System 7 Pro, including new AppleScript and PowerTalk/PowerShare features.

MICROSOFT CORPORATION — **MICROSOFT EXCEL 4.0**
(206) 936-8143 — One Microsoft Way • Redmond, WA 98052
Microsoft Excel 4.0 offers the highest level of scripting and recording support. With enhanced object model support, virtually every command and object that can be referenced from the application can be accessed through scripting.

MILUM CORPORATION — **OFFICE TRACKER PRO 2.0**
(512) 469-2966 — P.O. Box 163985 • Austin, TX 78716-3985
Office Tracker Pro is a group scheduling and calendaring system with side-by-side views. It supports AppleScript (recordable, scriptable, attachable) and PowerTalk e-mail.

OBJECT - FRANCE — **MUNDIA**
(1) 42 96 10 42 — 53 Rue Boissiere • Paris, France 75116
Mundia is 100% AppleScript, C++ accessible. It is an extended Database Suite conformant DBMS, which has an OpenDoc database component.

PREFAB SOFTWARE, INC. — **PLAYER**
(617) 628-9025 — 34 Bartlett Street • Somerville, MA 02145
Player adds verbs to AppleScript and Frontier to make anything scriptable. It features query and control menus, pop-ups, checkboxes, buttons, windows, etc. For more information, see page 10.

QDEA — **SYNCHRONIZE 3.2**
(612) 779-0955 — 6331 Hilton Court • Pine Springs, MN 55115
Synchronize from AppleScript copies or moves files, and executes another AppleScript applet when copying is complete. For more information, see page 55.

QUARK, INC. — **QUARKXPRESS 3.31**
(303) 894-8888 — 1800 Grant Street • Denver, CO 80203
QuarkXPress 3.31 for the Macintosh or Power Macintosh is a professional electronic publishing application that provides the precision, power, and ease needed to create and produce a broad range of publications.

SAS INSTITUTE — **JMP SOFTWARE**
(919) 677-8000 x 5071 — SAS Campus Drive • Cary, NC 27513
JMP Software is a statistical data discovery and exploration tool that provides powerful statistical capabilities. It is a tool for quality improvement and design of experiments.

SCIENTIFIC VISIONS — **SEREPLOT 2.1**
(301) 593-0317 — P.O. Box 1971 • Silver Spring, MD 20915
SerePlot is a completely scriptable application for X-Y graphing and sophisticated data analysis, including curve fitting, peak finding and more.

SHANA CORPORATION — **INFORMED FOUNDATION 1.4**
(403) 463-3330 — 9650 20th Avenue, Suite 105 • Edmonton, AB, Canada T6N 1G1
Informed Foundation 1.4 is a suite of four seperate applications that work together to meet your forms management needs. Using its forms-specific tools, you can design exact electronic replicas of paper forms that are designed from the beginning to be filled out electronically.

SIERRA SOFTWARE — **SALESBASE 2.5**
(702) 832-0300 — 923 Tahoe Boulevard, Suite 102 • Incline Village, NV 89451
Salesbase is an integrated sales automation solution for midsize to large corporate sales organizations. Salesbase links your field sales force, marketing organization, service department, sales management and senior executives with up-to-date account activity. For more information, see page 52.

SNOW DEVELOPMENT GROUP — **ATLANTIS DATA PUBLISHER**
(813) 784-1845 — 2360 Congress Avenue • Clearwater, FL 34623
The Atlantis Data Publisher is a report writer and desktop publisher, all in one. You can import and integrate pictures and logos into designed documents with data from your files.

SOUTHBEACH SOFTWARE CORPORATION — **POWERAGENT**
(305) 942-0605 — 2605 East Atlantic Boulevard, Suite 211 • Pompano Beach, FL 33062
PowerAGENT is the quickest way to automate scriptable applications. It schedules and automates any AppleScript, plus generates scripts for you.

STATE OF THE ART — **FLEXWARE ACCOUNTING SOFTWARE**
(800) 447-5700 x8309 — 8211 Sierra College Blvd., Suite 440 • Roseville, CA 95661-9406
Flexware Accounting Software is flexible, powerful and fast. The Flexware Development System gives developers access to source code for 13 modules.

SUMMIT SOFTWARE, INC. — **BASICSCRIPT TOOLKIT 2.1**
(315) 445-9000 — 4933 Jamesville Road • Jamesville, NY 13078
BasicScript Toolkit for Macintosh offers Macintosh developers a complete embeddable scripting language toolkit that is compatible with Microsoft's Visual Basic for Applications (VBA).

SYMANTEC CORPORATION — **THINK C 6.0**
(408) 446-7102 — 10201 Torre Avenue • Cupertino, CA 95014
THINK C is a development environment for programmers, students, and hobbyists who develop Macintosh applications. It includes more powerful project management, a full set of tools, and script support for major script-based languages.

SYMANTEC CORPORATION — **C++ 8.0 FOR POWER MACINTOSH**
(408) 446-7102 — 10201 Torre Avenue • Cupertino, CA 95014
Symantec C++ 8.0 for the Power Macintosh provides full C++ language compliant visual tools, graphical object browser/editor and incremental linker! The new project manager and editor are fully scriptable.

TECMAG, INC. — **MACNMR**
(713) 667-8747 — 6006 Bellaire Boulevard • Houston, TX 77081
MacNMR is a real-time NMR spectrometer control software package, bundled with any Tecmag data acquisition system for NMR, NQR or MRI.

TECMAG, INC. — **MACFID**
(713) 667-8747 — 6006 Bellaire Boulevard • Houston, TX 77081
MacFID is a NMR data processing software package. Data files from NMR or clinical MRI systems can be processed, printed or archived.

VIVIDUS CORPORATION — **CINEMATION**
(415) 321-2221 — 378 Cambridge Avenue, Suite I • Palo Alto, CA 94306
Cinemation makes it easy to create interactive presentations with professional quality animation, sound and QuickTime. Cinemation also automatically animates presentations created in PowerPoint or Persuasion.

WORDPERFECT — **WORDPERFECT 3.1**
(801) 222-7168 — 1555 North Technology Way • Orem, UT 84057
WordPerfect 3.1 highlights robust support for new System 7.5 technologies like AppleGuide, GX Printing and Drag & Drop. WordPerfect also supports PowerTalk, AppleScript, WorldScript and QuickTime.

WORKING SOFTWARE, INC. — **SPELLSWELL 7 1.0**
(408) 423-5696 — P.O. Box 1844 • Santa Cruz, Ca 95061
Spellswell 7 is a comprehensive spelling checker that is scriptable, and uses the Apple Events World Services Suite to build itself into applications that support the World Services Suite. It checks spelling in documents created by most word processors.

HyperCard 2.3

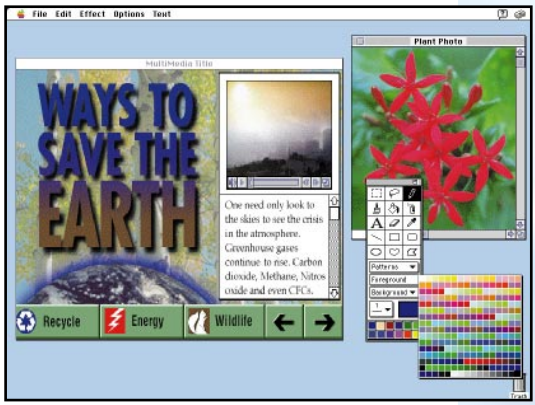
The powerful tool for creating custom software solutions

FEATURES

- Take full advantage of Power Macintosh™ systems with an accelerated version of HyperCard®
- Create applications quickly using ready-made buttons and text fields
- Use 24-bit color painting tools to create color images and to import and resize color PICT graphics
- Integrate QuickTime® movies, graphics, sounds, and spoken text into a HyperCard stack–no scripting experience required
- Have HyperCard text read aloud by your computer
- Organize information into convenient "stacks" of electronic cards
- Use AppleScript from within HyperCard to launch, control, and exchange data with over 100 scriptable Macintosh applications
- Create double-clickable applications for customers, colleagues, or students who do not have HyperCard software
- Multimedia utilities bundle

ORDERING

For the location of a Macintosh software reseller or mail order catalog, call (800) 538-9696.



HyperCard is an easy-to-use development tool for creating a wide range of custom software applications for the Macintosh. HyperCard organizes information into easy-to-use "stacks" of cards through which users can navigate and search for the information they need. Simply by clicking a button, you can view related text, see a graphic, hear a sound, or watch a QuickTime movie. Because of its unique card and stack metaphor, HyperCard is ideal for a wide range of custom applications, not just multimedia. Commercial developers, consultants, in-house programmers, and educators all use HyperCard to organize and display all types of information (text, graphics, and sounds) exactly the way they want to. Create all of the following applications: courseware and computer-based training materials, training simulations, front ends to databases, interactive multimedia presentations, information kiosks. And, your HyperCard stacks can be distributed royalty-free.

APDA
APPLE COMPUTER, INC.
Canada: (800) 637-0029
International: (716) 871-6555
Tel: (800) 282-2732
Fax: (716) 871-6511

HyperGASP

FEATURES

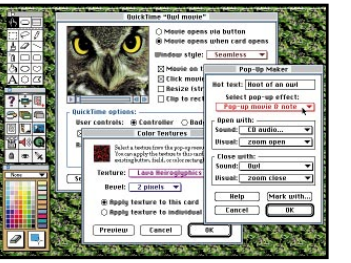
- Complete, integrated QuickTime support
- Fast, intuitive color tools; 3D textures; pre-scripted buttons & templates
- Automatic hypertext linking and report generation
- Interactive quiz design tools
- Custom sound effect design
- Powerful text handling; RTF support

REQUIREMENTS

HyperCard 2.0 or later; 4MB RAM; QuickTime.

PRICING

Single user license: $89
Site licensing begins at: $250



HyperGASP, the essential multimedia and educational authoring extension for HyperCard, features an intuitive interface which enables developers, trainers, teachers, and students of all skill levels to create sophisticated, interactive projects quickly and easily — no programming required! Perfect for rapid media integration and prototyping, HyperGASP makes it easy to work with styled text, color, QuickTime, textures, sound, text-to-speech, CD audio and LaserDisc video.

CALIBAN MINDWEAR
6590 Camino Carreta
Carpinteria, CA 93013
Orders: (800) 269-0660

Tel: (805) 684-7765
Fax: (805) 684-7765
AppleLink: CALIBANMW
Internet: calibanmw@aol.com

WindowScript—The Interface Design Studio

FEATURES

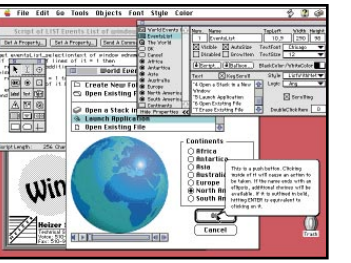
- AppleScript support!
- QuickTime movies—with or without controller
- Custom menus and pop-ups
- Color and scrolling pictures
- Icons, including color and Finder icons
- Text fields and buttons, with mixed fonts, styles, sizes, even color and group text

REQUIREMENTS

Any Macintosh computer running HyperCard 2.1 or higher; 2MB RAM; System 6.0.5 or higher.

PRICING

Program #30-0936: $149
($100 licensing fee per commercial product, excluding shareware)



WindowScript™ is a tool for creating external windows. With WindowScript you can design professional, full color, Macintosh user interfaces within HyperCard. If you're a HyperCard developer, interface designer, application developer, program manager, or tester, searching for a prototyping tool, WindowScript is perfect for the job.

WindowScript's WYSIWYG interface editor lets you test as you add or change objects. Advanced programmers can add custom MDEF, LDEF CDEF and WDEF resources to expand WindowScript's capabilities. WindowScript is compatible with Double-XX,™ also available from Heizer Software.

HEIZER SOFTWARE
P.O. Box 232019
Pleasant Hill, CA 94523
Orders: (800) 888-7667

Tel: (510) 943-7667
Fax: (510) 943-6882
Internet: heizersw@aol.com

Heizer Software

Your one-stop shopping center! We have solution tools for HyperCard, AppleScript, OpenDoc,™ and more!

Come check us out on-line:
http://www.webcom.com/~heizer

HEIZER SOFTWARE
P.O. Box 232019
Pleasant Hill, CA 94523
Orders: (800) 888-7667
Tel: (510) 943-7667
Fax: (510) 943-6882
Internet: heizersw@aol.com

Custom HyperCard Solutions

HyperActive Software will give you rapid, worry-free development for your in-house or commercial HyperCard software. We create intuitive, professional HyperCard solutions that satisfy both your specs and your budget. With a wide range of experience, from utilities and tools to training and multimedia, we deliver hard-working software with an easy interface that is appealing to even reluctant or novice computer users. We are an Apple Associate developer, offering a full range of services, including XCMDs, graphics, and more.

HyperActive
SOFTWARE

HYPERACTIVE SOFTWARE
5226 West Nokomis Parkway
Minneapolis, MN 55417
Tel: (612) 724-1596
Fax: (612) 724-1562
AppleLink: HYP.ACT.SFTW
Internet: hypactsftw@aol.com

Women's Advantage Software

Designed by women, Women's Advantage Software is the best way to manage personal and family information including recipes, auto records, gardening tips, travel plans, clothes coordinator, medical records, menu planning, cleaning, poison control, word processing, calendar, calculator, phone numbers–the list just goes on and on! Super simple and great fun to use, our charming "house" is filled with useful tools which skillfully enhance your own organizational gifts.

Requirements: Any Macintosh computer; 4MB RAM; Hypercard; System 6.07 or higher.

Price: $49.95 plus $4.95 shipping and handling ($54.90 total); California and North Carolina Residents add sales tax.

SUNRISE CORPORATION OF LA MESA
18 Lake Helix Drive
La Mesa, CA 91941-4434
Tel: (619) 466-9621
Fax: (619) 466-9628
AppleLink: SUNLAMESA

Custom HyperCard Developer

White Feather Software is a custom HyperCard developer specializing in business applications. We have successfully delivered over 100 projects, ranging in scope from large training registration databases to stand-alone catalogs. Projects for Apple include: "The Admin Stacks," which processes electronic registrations for internal classes, maintains employee training records and generates custom reports; and "MacFlex," an electronic form that employees use to sign up for their flex benefit packages. Other projects include: "courseWriter" for Darryl L. Sink & Associates, Inc., and a game prototype for Educators' Software, the makers of "Backyard."

WHITE FEATHER SOF
16 San Juan Avenue
Menlo Park, CA 94025
Tel: (415) 568-3337
Fax: (415) 368-5373
AppleLink: FORAKER
Internet: foraker@aol.com

Apple Multimedia Program

Your connection with the future of multimedia

FEATURES

- Multimedia information mailings
- Third-party discounts
- Co-marketing opportunities
- Multimedia events and training discounts
- Invitations to special networking events
- Members only AppleLink area
- Seeding opportunities

AMP IS GREAT FOR:

Multimedia developers
In-house corporate developers
Educators
Title publishers
Marketers
Information/content providers
Designers
Interactive musicians
Desktop video professionals

HOW TO JOIN

The annual fee: $300.

For more information or an application kit, call (408) 974-4897. If you're located outside of North America, simply contact your local Apple office and ask for information regarding program availability. For the Apple Multimedia Information Mailing (program materials only), call APDA – Apple's source for developer tools–at 716-871-6555.

The Apple Multimedia Program (AMP) provides true one-stop shopping for all your multimedia needs. This includes information—directly from the engineers themselves—on Apple's multimedia technologies.

Members receive a starter kit and quarterly mailings that contain essential technical and marketing resources that focus on the needs of the multimedia community. Technical guidebooks, market research reports, directories, videos and CDs are among the items included in the AMP mailings.

In addition to receiving excellent information right at your doorstep, the Apple Multimedia Program will provide you with a chance to network with your peers, showcase your multimedia products at various industry tradeshows and events and form a relationship with Apple where you receive the latest announcements, updates and future directions of Apple Computer.

APPLE COMPUTER, INC.
1 Infinite Loop, M/S 303-2D
Cupertino, CA 95014
Tel: (408) 974-4897
Fax: (408) 862-7602
AppleLink: DEVSUPPORT
Internet: devsupport@applelink.apple.com

The ScriptX Language Kit Version 1.0

The Kaleida Platform — a breakthrough in multimedia development

FEATURES

- 250 pre-programmed objects and application elements are included along with the development system that consists of editors, browsers and a debugger.
- A single application can be created instead of targeting multiple specific operating systems.
- ScriptX™ offers all the leverage provided by a true object-oriented programming system, including encapsulation, multiple inheritance and polymorphism.
- Comprehensive support is provided for all multimedia elements, as well as exceptional support for data handling and search capabilities.

PRICING

$795 (Includes free upgrade to Version 1.1 and a 60-day warranty)

Kaleida Worldwide Developer Programs: Discounts on products, technical support, training and consulting services. Vanguard membership at $5,000 per year and Associate membership at $1,000 per year.

Kaleida Worldwide Developer Program

KALEIDA LABS, INC.
1055B Joaquin Road
Mountain View, CA 94043
Orders: (800) 6-KALEIDA
Int'l: (415) 335-2098
Tel: (415) 335-2000
Fax: (415) 335-2097
Internet: kaleida.direct@kaleida.com
WWW: http://www.kaleida.com/

Kaleida Labs

The ScriptX™ Language Kit (SLK) provides technically sophisticated and experienced developers early access to the power and flexibility of the ScriptX Language and Class Library. With the release of SLK Version 1.0, Kaleida invites you to become a pioneer in establishing the Kaleida Platform as the premiere environment for multimedia software development.

KALEIDA Media PLAYER™

When you order the ScriptX Language Kit Version 1.0, you will receive the following: Macintosh *and* Windows versions of the ScriptX Language and Class Library; Macintosh *and* Windows versions of the Kaleida Media Player; programming tools, including class, object, source and module browsers, a byte code debugger, and a complete set of cross-platform data importers; Director 3.1/4.0 Translation Kit (Macintosh only); code samples and design examples; and comprehensive documentation in print and electronic form.

Apple Media Tool v. 1.2

Cross-platform multimedia authoring without scripting

FEATURES

- Easy to use for creating interactive multimedia titles
- Assemble media elements and add interactivity without writing a single line of code
- Fast production of multimedia projects
- Fast prototyping
- Projects are portable across Macintosh and Windows
- Reduce development time

REQUIREMENTS

A Macintosh IIci or later with at least 8MB of RAM; System 7.1; an Apple SuperDrive floppy disk drive; a hard drive; and an Apple CD-ROM drive.

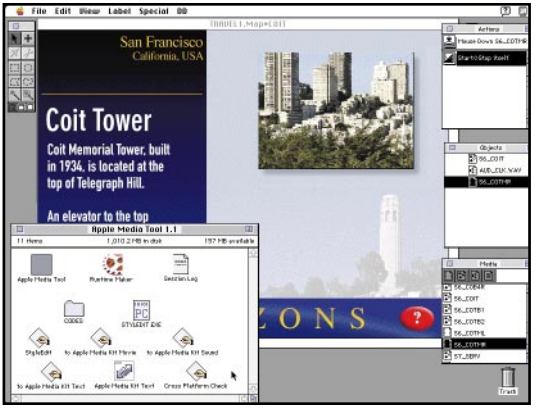
PRICING

Apple Media Tool
M3871LL/A [U.S.]: $495.
M3871Z/A [International]: $495.

Apple Media Tool Demo CD
L00662/B: $10.00

ORDERING

To order the Apple Media Tool v. 1.2, contact APDA



This authoring tool is designed for fast prototyping and fast production of multimedia projects. With the Apple Media Tool, you don't have to be a programmer or even learn a scripting language to create interactive multimedia titles, support and training modules, catalogs, and kiosks.

The Apple Media Tool allows you to assemble media elements and add interactivity without having to write a single line of code. Since it is object-oriented, you can integrate media elements–such as QuickTime movies, PICT files, and text or sound files–by directly manipulating and assembling them.

The Runtime Maker allows you to create player files from your completed projects for 68K or PowerPC Macintosh computers or for PCs running Microsoft Windows.

Product Contents: Apple Media Tool software on Macintosh disks; a demo CD; and an Apple Media Tools user's guide and Getting Started Guide.

APDA
APPLE COMPUTER, INC.
Canada: (800) 637-0029
International: (716) 871-6555
Tel: (800) 282-2732
Fax: (716) 871-6511

Apple Media Tool Programming Environment v. 1.2

Allows programmers to add functionality to projects created by the Apple Media Tool

FEATURES

- Additional functionality to AMT projects
- Ideal for database driven titles
- Easy to integrate other languages, such as C
- Code developed with AMTPE compiles to Macintosh and Windows

REQUIREMENTS

A Macintosh IIci or later with at least 8 MB of RAM; System 7.1 or higher; a CD-ROM drive; a hard drive; MPW v. 3.3 (bundled with AMTPE). Windows C language externals require Microsoft Visual C++. Macintosh C language externals need Microsoft Visual C++.

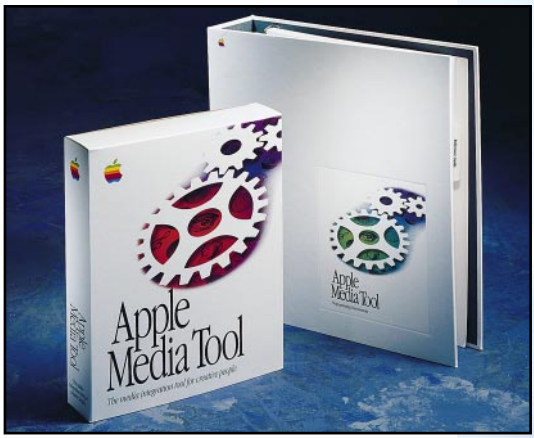
PRICING

Apple Media Tool Programming Environment
H0108LL/B [U.S.]: $995.

Apple Media Tool Programming Environment
H0108Z/B [International version]: $995.

ORDERING

To order the Apple Media Tool Programming Environment v.1.2, contact APDA.



The Apple Media Tool Programming Environment's (AMTPE) object-oriented language and application framework allow programmers to add functionality to projects created by the Apple Media Tool (AMT). By tightly linking content creation with the programming process, development time can be dramatically reduced, and greater attention can be given to content quality.

When an Apple Media Tool document is saved as text, the descriptions of the application objects and their associated actions are output to the Programming Environment, where they can be modified by the Apple Media Language. This object-oriented language is portable across Macintosh and Windows, easy to maintain, and easily integrated with other languages, such as C.

Because the Programming Environment doesn't require the programmer to adapt to tools designed for content producers (like many multimedia products do), the programming team has a virtually limitless range of options for customization and enhancements. The required subset of MPW is included at no charge.

APDA
APPLE COMPUTER, INC.
Canada: (800) 637-0029
International: (716) 871-6555
Tel: (800) 282-2732
Fax: (716) 871-6511

Adobe Premiere 4.0

The power to communicate with motion and sound

FEATURES

- Intuitive, drag-and-drop, filmstrip-based video editing
- Unlimited transitions and filters
- 99 video and 99 audio tracks with keying capabilities
- Professional-level features, including trimming window, SMPTE time-code and edit decision lists
- Open architecture supporting industry-standard formats and plug-ins

REQUIREMENTS

Macintosh computer with 68020 or greater processor; System 7.0 or later; 6MB of application RAM; 80MB of available hard disk space.

PRICING

$795 suggested retail

For more information, or to order Adobe Premiere, call (800) 833-6687.

Whether you're an expert or a beginner, Adobe Premiere™ software lets you easily create QuickTime digital movies and videotapes on the desktop. And, this award-winning Macintosh editing program also runs in native mode for the Power Macintosh.

Adobe Premiere includes a suite of sophisticated capabilities that make it simpler than ever to edit movies, like the new trimming window feature that allows you to edit the beginning and end of two adjoining clips while viewing them simultaneously. You get other great features, too, like the option to choose from a wide array of special effects and transitions. Create titles and credits. Mix stereo soundtracks. Import files from Adobe Illustrator, Adobe Photoshop and Adobe Dimensions software and all your favorite graphics programs.

You can even use Adobe Photoshop compatible and other plug-in filters to generate more special effects. Or use the Filter Factory to build your own. Best of all, the dynamic preview feature lets you view edits before transitions and effects are rendered. Deluxe CD-ROM is included with stock footage, animated tips and techniques, on-line documentation and more.

Adobe

ADOBE SYSTEMS INCORPORATED
1585 Charleston Road, P.O. Box 7900
Mountain View, CA 94039-7900
Tel: (415) 961-4400
Internet: http://www.adobe.com/

Adobe After Effects 2.0.2

Quality, flexibility and control for the post-production professional

FEATURES

- Unlimited layering and compositing of video and graphics
- Animated special effects over time
- Spline-based motion paths
- Full alpha-channel support and masking capabilities
- Anti-aliasing, field rendering, sub-pixel positioning, frame blending, true motion blur
- Additional special effects packages available for purchase

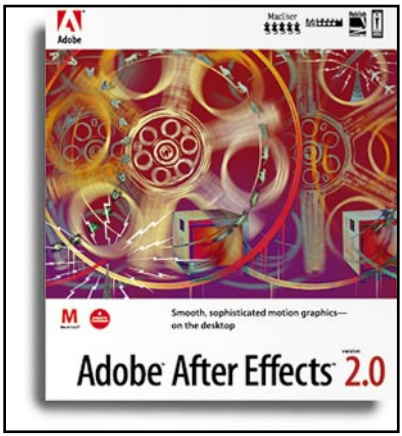
REQUIREMENTS

Macintosh II or greater, or Power Macintosh; System 7.0 or later; 8MB of application RAM; 80MB of available hard disk space; QuickTime extension.

PRICING

$1,995 suggested retail

For more information, or for the name of your nearest Adobe After Effects Value-Added Reseller, call (800) 833-6687.



Adobe After Effects combines a powerful interface with high-quality output to give today's film, video, and multimedia professionals the ability to create sophisticated motion graphics on the desktop. Now you can produce on-air promos and bumpers, commercials and music videos, animated works, complex special effects—and everything in between—with the control, flexibility and cost savings offered by a Macintosh solution.

Adobe

ADOBE SYSTEMS INCORPORATED
1585 Charleston Road, P.O. Box 7900
Mountain View, CA 94039-7900
Tel: (415) 961-4400
Internet: http://www.adobe.com/

Adobe Fetch

Get the upper hand on your file management and personal productivity needs.

FEATURES

- Create catalogs of over 250,000 items.
- View items as a gallery of thumbnails; preview over 35 file types.
- Give items unlimited keywords and up to 32,000-character descriptions.
- Find items by keyword, filename, file type, and volume.
- Launch editing applications or place items into other work.

REQUIREMENTS

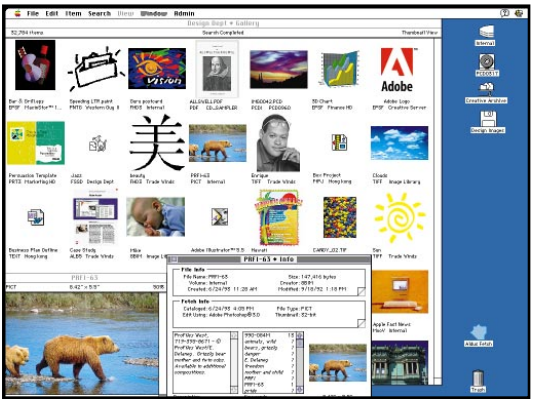
Minimum: System 6.0.7/Macintosh Classic with 4MB RAM & hard disk. Recommended: System 7.0.1/Macintosh Performa,® Quadra,® or, Power Mac with 5MB RAM & hard disk.

PRICING

Single user version: $149.00 suggested retail

Multiuser version (license for 1 user): $295.00 suggested retail

Available from Adobe and Adobe authorized dealers; multipacks & education versions available. For more information, call (800) 628-2320.



Adobe™ Fetch™ software catalogs all the images, graphics, publications, presentations, movies, sounds, and other digital media files that you use every day. Fetch organizes your creative work into a browseable on-line library for use by individuals or by workgroups of over 50 members. Using Fetch, you can find, preview, play, print, place, or copy items, or open them in an editing application whether they're on-line, on a networked storage device, or on off-line removable media.

If you're a publishing professional using Adobe PageMaker or QuarkXPress, an artist using Adobe Photoshop, a designer using Adobe Illustrator or a similar design tool, or a multimedia producer, Fetch works with your favorite products from the beginning to the end of a project, and even organizes all your Adobe Acrobat files. Get the upper hand on your file management and personal productivity needs, and get the most from your digital media files.

Now, the Fetch Content Publishers Toolkit (CPT) is available for electronic-media publishers who want to give their customers instant visual access to the files on their CD-ROM collections. CPT is available from the Adobe Developers Association at (415) 961-4111.

ADOBE SYSTEMS INCORPORATED
411 1st Avenue S
Seattle, WA 98104
Orders: (800) 628-2320
Int'l: (206) 622-5500
Fax: (408) 655-6096
AppleLink: ALDUS.FETCH
Internet: http://www.adobe.com/Apps/AldusFetch.html

Adobe Gallery Effects

FEATURES

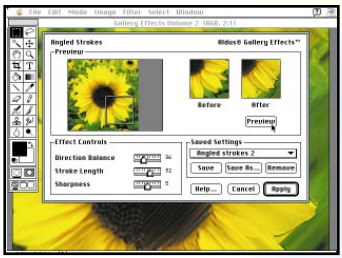
- Wide range of artistic effects at your fingertips, 48 styles and media, 16 filters in each volume
- Simple to understand interface and filter controls
- Interactive visual preview and ability to name and save filter settings

REQUIREMENTS

An application that supports Adobe Photoshop compatible plug-in filters; system requirements determined by the host application.

PRICING

Each volume: $149 U.S. suggested retail



Transform ordinary images into natural-looking works of art with Adobe™ Gallery Effects™ software. It works with any application that supports Adobe Photoshop compatible plug-in filters, including Adobe TextureMaker. Each volume offers 16 filters that represent traditional artistic media, such as, paint, charcoal, glass, reticulation, graphic pen, neon glow and pencil. Buy Gallery Effects and discover how amazing your images can be!

ADOBE SYSTEMS INCORPORATED
411 - 1st Avenue S
Seattle, WA 98104
Orders: (800) 833-6687
Int'l: (206) 622-5500
Tel: (800) 833-6687
Fax: (408) 655-6096

ADOBE SYSTEMS INCORPORATED

Adobe TextureMaker

FEATURES

- More than 100 source textures
- Specify size, resolution, and file format of rendered files
- Control light placement, intensity, and color
- Engrave or emboss artwork into or onto textured surface
- Use Adobe Photoshop compatible plug-ins

REQUIREMENTS

68030 Macintosh or better; FPU; System 7.1 or later; 4MB RAM; 8MB free hard disk space; for printing: any application that can import TIFF, PICT, or QuickTime format; Power Macintosh and 8MB RAM recommended.

PRICING

$199 U.S. suggested retail

For rich designs that are lush with style, include textures you've created in Adobe™ TextureMaker.™ It is a resolution-independent texture design program that lets you create sophisticated textures—marble, wood, and stone, as well as, clouds, fire, and other environmental elements. It creates dramatic surface effects and 3D buttons, frames, and mortices. From real to surreal, each eye-catching texture will add dimension and dazzle to your everyday work.

ADOBE SYSTEMS INCORPORATED
411 - 1st Avenue S
Seattle, WA 98104
Orders: (800) 833-6687
Int'l: (206) 622-5500
Tel: (800) 833-6687
Fax: (408) 655-6096

DeBabelizer Toolbox 1.6

Saves time, effort and money by offering automated graphics processing and translation

FEATURES

- Integrated batch processing and internal scripting
- Dozens of essential editing and palette manipulation tools
- Cross-platform graphics translation for over 60 bit-mapped graphics and animation formats
- Unrivaled 24-bit to 8-bit color reduction
- Supports Photoshop & 3rd party Acquire, Export, Filter plug-ins and Applescript
- Power Mac native

REQUIREMENTS

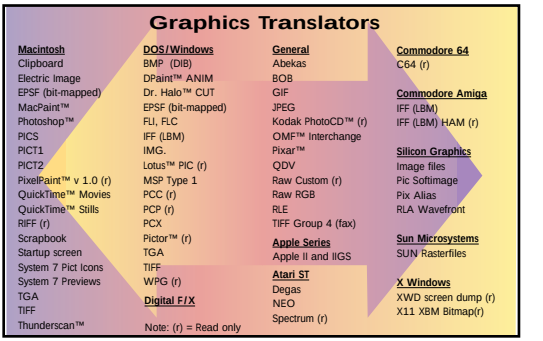
Macintosh System 6.0.7 or greater; 700K of free RAM.

DeBabelizer is System 7 compatible and 32-bit clean.

PRICING

$399 suggested retail

Call your favorite dealer or catalog to order Equilibrium's DeBabelizer today! Or, to order direct, call (800) 524-8651.



Equilibrium's DeBabelizer Toolbox is a robust, versatile application that saves time, effort and money by offering automated graphics processing, image manipulation and unrivaled cross-platform file translation capabilities–all in a single, integrated application. This award-winning product includes dozens of essential editing tools for automated image processing while also providing extensive translation for over 60 bit-mapped graphics and animation formats for Macintosh, PC (DOS, Windows), Amiga, SGI and SUN workstations.

DeBabelizer features unsurpassed 24-bit to 8-bit color reduction and comprehensive palette controls, including SuperPalette which automatically creates the best palette for a series of images. Integrated batch processing and internal scripting save time by automating repetitive editing and manipulation tasks. DeBabelizer supports Photoshop and 3rd party Acquire, Filter, and Export plug-ins. The new Filter Interpolation feature animates filter effects by modifying the effects over time on a series of QuickTime frames, still images or other animation files. DeBabelizer runs native on any Power Mac or 680x0 machine.

EQUILIBRIUM TECHNOLOGIES
475 Gate Five Road, Suite 225
Sausalito, CA 94965
Orders: (800) 524-8651
Tel: (415) 332-4343
Fax: (415) 332-4433
AppleLink: EQUILIBRIUM
Internet: mike_ross@equil.com

MediaDB Application Development Kit 2.0

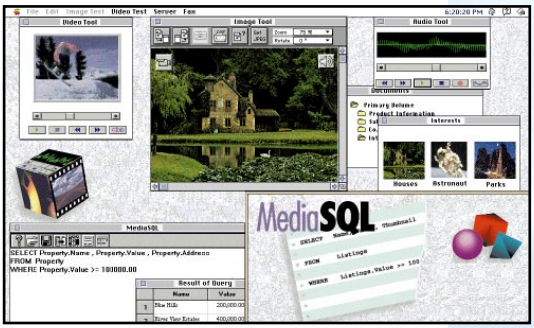
The world's first true multimedia database management system

FEATURES

- Multimedia database engine
- Client/server architecture optimized for multimedia access
- Easy-to-use Schema Designer to create multimedia rich, user-defined data types
- Multimedia Browser tool to capture, populate and present images, sound, and video
- Powerful and easy-to-use C++ API
- Supports PICT, TIFF, JPEG, LZW, G3 and G4, ADPCM for Audio, QuickTime and many more

PRICING

MediaDB Professional
Development System: $10,000
(includes DBMS and ADK)



MediaDB is a true multimedia database management system for creating multimedia cataloging solutions in a client/server environment.

Use MediaDB Application Development Kit (ADK) to deploy a customized, scalable, enterprise-wide multimedia solution for your client's multimedia management needs.

It features interactive browsing tools, improved performance for images, thumbnails and video displays, and enhanced SQL for multimedia.

Multimedia producers and a number of Fortune 1000 organizations are using MediaDB DBMS for CD-ROM publishing, managing training materials, sales and marketing information, and on-line advertising.

MediaDB-based solutions have been deployed in direct mail cataloging companies, pre-press industry, real estate industry, and product information management within corporations.

MediaDB-based applications are used on CD-ROM, Information Kiosks, and over local- and wide-area networks, as well as the Internet.

MediaDB clients run on Windows 3.1 and Macintosh. MediaDB servers run on Macintosh, WindowsNT, Novell Netware and various UNIX platforms, including HP, SGI, SunOS, Solaris, and IBM.

MEDIAWAY Inc.

MEDIAWAY, INC.
3080 Olcott Street, Suite 220C
Santa Clara, CA 95054
Orders: (800) 632-7401
Tel: (408) 748-7400
Fax: (408) 748-7402
Internet: sales@mediaway.com

MultiDoc Power Publisher

Free your content from the limitations of card-based and kiosk-style publishing systems.

FEATURES

- Efficient handling of enormous amounts of information without slowing performance
- Fast, non-linear searching and navigation
- Great for CD-ROM or client-server delivery
- Use of existing source material in a variety of formats
- Custom interface—appearance and behavior
- Flexible media integration
- Content and media compression

REQUIREMENTS

Macintosh authoring: System 7, 4MB RAM, C++ dev. env.
Windows authoring: 80386 or compatible, 4MB RAM, DOS 5.0, Windows 3.1, C++ dev. env.

PRICING

Single platform: $1,995
Multi-platform: $2,495
60-day refundable evaluation: $995
No royalty or licensing fees!

MultiDoc POWER PUBLISHER

Power Publisher enables your publishing team to create content-rich, interactive, customized user-interface, multimedia publications. With Power Publisher, you get single-source electronic publishing (Windows and Macintosh); full-featured search and navigation; text handling and formatting capabilities similar to word processing applications; a production process enabling easy revisions; and more.

Your source can originate in a variety of forms, including SGML. Viewer™ and RTF source files can be converted for use with Power Publisher, enabling document specialists to build a publication's content using familiar word processing tools.

Software engineers use Power Publisher's powerful C++ class library to build an interface that can look and behave according to your design. Then, Power Publisher provides tools that automate the process of optimizing the data format and assembling your publication's elements into a deliverable package.

Your Power Publisher publications can be distributed electronically and royalty free in any number of ways.

MULTIDOC TECHNOLOGIES, INC.
5540 Centerview Drive, Suite 311
Raleigh, NC 27606
Orders: (800) 247-7890
Int'l: (919) 481-3517
Tel: (919) 481-3517
Fax: (919) 481-3551
AppleLink: MULTIDOC
CompuServe: 71303,1314
Internet: multidoc@multidoc.pdial.interpath.net

QuickHelp & QuickView

FEATURES

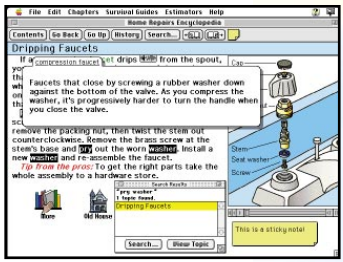
- Direct conversion
- Keywords, topic groups, hotspots, hypertext
- Powerful text-retrieval
- Context-sensitivity
- Appealing, easy-to-use user interface

REQUIREMENTS

Compiler: 68020 or better, System 7.x, min 2 MB
Viewer: any Macintosh with System 6.0.5 or better, min 512K

PRICING

QuickHelp: $495
QuickView: $495
Order direct from Altura; annual flat fee; commercial, non-commercial, and educational distribution licenses available.



QuickView™ is the only cross-platform, MS Viewer compatible, multimedia and documentation engine for the Macintosh. QuickHelp™ is the leading cross-platform MS Winhelp compatible, online help engine for the Macintosh. Users include Apple, Microsoft, Claris, Adobe, Metrowerks, Books That Work, and many more. Instantly port your Viewer/WinHelp files, or ask for our Macintosh authoring kit. Call for a free evaluation conversion of one of your titles running on a Macintosh today!

ALTURA SOFTWARE, INC.
Suite 5
510 Lighthouse Avenue
Pacific Grove, CA 93950

Tel: (408) 655-8005
Fax: (408) 655-9663
AppleLink: ALTURA
Internet: stefanv@altura.com

Avid VideoShop 3.0

FEATURES

- QuickTime 2.0 powered
- Intuitive user interface
- MIDI support
- Unlimited layers of video and audio
- Specular LogoMotion 1.5 and Avid Cinema CD included FREE!!!
- 60 day money back guarantee

REQUIREMENTS

Any color Macintosh; 4MB RAM; 40MB free hard disk space; System 7.0 or greater.

PRICING

$395 suggested retail
Special education/site license pricing available from AVID

Avid VideoShop® is the video editing software anyone can use. Brought to you by Avid Technology, the leaders in digital video, VideoShop allows you to edit your QuickTime movies using the same cut, copy, and paste functionality as a word processor. VideoShop is a powerful tool, offering over 200 special effects. Whether your goal is to make movies for CD-ROM authoring or for presentation packages, Avid VideoShop is an integral part of your multimedia toolkit.

AVID TECHNOLOGY, INC.
One Park West
Tewksbury, MA 01876
Orders: (800) 949-2843

Tel: (508) 640-6789
Fax: (508) 640-9486
AppleLink: AVIDNEWMEDIA
Internet: VS_Support@avid.com

Macromedia Worldwide Developer Program

FEATURES

Two levels of service:

➤ Level 1–Quarterly Information Packets Containing Developer CDs, Technical Papers, Macromedia Newsletters, Source Books and Design Guides. Cost $149.

➤ Level 2–All benefits of Level 1 and project referrals, training discounts, on-line forums, email information service, access to Beta software and discounts on the Macromedia International User Conference. Cost $695.

Macromedia's Developer Program is designed to provide technical information and marketing support for production services companies, title producers, corporate trainers, in-house developers and multimedia consultants. The program is divided into two levels of service to meet the needs of a wide range of developers.

MACROMEDIA

MACROMEDIA
600 Townsend Street
San Francisco, CA 94103
Orders: (800) 288-4797
Int'l: (415) 252-2000

Tel: (415) 252-2000
Fax: (415) 626-0554
AOL: MACROMEDIA
CompuServe: GO MACROMEDIA

MACROMEDIA

Macromedia Director 4.0 for Windows & Macintosh

REQUIREMENTS

Authoring System
Windows—486/33 MHz or greater IBM-compatible CPU; 8-bit or higher video; 8MB RAM; Windows 3.1 or higher; DOS 5.0 or higher; 40MB free disk space. Macintosh—68030 processor or greater; 13-inch monitor; 30MB free disk space; System 7.0 or higher; 4MB application RAM

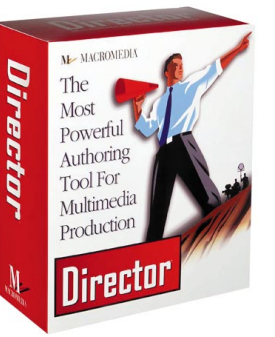
Playback System
Windows—386/33MHz or greater IBM-compatible CPU; 8-bit video; 4MB RAM or more. Macintosh—68000 processor or greater; 9-inch monitor; System 6.0.7 or higher; 2MB or more application RAM.

PRICING

$1,195 suggested retail for the Macintosh or Windows version

MACROMEDIA

The most powerful authoring tool for multimedia production, Director 4.0 provides a complete cross-platform authoring and playback solution.



Director 4.0 lets you combine text, graphics, animation, sound and digital video from different sources to create dynamic interactive presentations, entertainment and edutainment CD-ROM titles, demo disks, information kiosks, technical visualizations, simulations and videotape productions.

The Cast window serves as your multimedia database of text, graphics, animation, digital video, and sound. The Score lets you create and edit animations, synchronize media elements, and precisely control transitions, sounds, color palettes, inks, and tempo.

MACROMEDIA
600 Townsend Street
San Francisco, CA 94103
Orders: (800) 288-4797
Int'l: (415) 252-2000

Tel: (415) 252-2000
Fax: (415) 626-0554
AOL: MACROMEDIA
CompuServe: GO MACROMEDIA

Authorware 3.0 for Windows and Macintosh

REQUIREMENTS

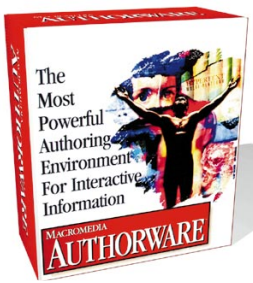
Authoring System
Windows—Minimum: '386/33MHz CPU; 4MB RAM; 4-bit (16 color) VGA graphics card; 20MB hard disk; Windows 3.1.
Macintosh—Minimum: 16MHz 68020 CPU; System 7.x; 4MB RAM; 20MB hard disk.
Delivery System
Windows—'386/20MHz CPU; 4MB RAM; 4-bit (16 color) VGA graphics card; hard disk; Windows 3.1.
Macintosh—16MHz 68020 CPU; System 6; 4MB RAM; hard disk.

PRICING

$4,995 suggested retail for the Macintosh or Windows version. Call for education pricing.

MACROMEDIA

Authorware gives you the power to create, deliver and maintain interactive applications, such as computer-based training applications, educational courseware, on-line documentation, digital publications, prototypes, simulations and kiosks. Its use of icons, instead of scripting, to define interactivity and control multimedia elements shortens the learning curve for non-programmers—increasing productivity and ease of long-term maintenance. Authorware also automatically records, measures and reports end-user response data. Authorware features seamless integration and control of Macromedia Director movies, hypermedia, text handling capabilities, and much more.



MACROMEDIA
600 Townsend Street
San Francisco, CA 94103
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Int'l: (415) 252-2000
Tel: (415) 252-2000
Fax: (415) 626-0554
AOL: MACROMEDIA
CompuServe: GO MACROMEDIA

King Author 1.2.1

FEATURES

- Eight automated animation palettes
- "Utilities" submenu including Hypertext, Menu Creator and Sound Recorder Palettes
- Card and Window Navigation palette
- Extensive On-line Help! stack

REQUIREMENTS

4MB RAM; SuperCard version 1.7.1 or higher.

PRICING

$64.95
To order, send a check payable to PencilRock Products. Sorry, no credit cards.

SuperCard's scripting language allows for project diversity, but production time is compromised. King Author is an improved SuperCard® environment that solves this dilemma. 300 lines of code are automated. Project production time is dramatically reduced. Icon indicated buttons and numerous palettes do the work for you, and show you what they do in the process. King Author is both an effective learning tool for new users, and a more efficient environment for advanced users. Automation of the SuperCard environment may seem to go against its versatility, but King Author still gives you access to SuperEdit® at all times.

PENCILROCK PRODUCTS
155 St. Paul East, Suite 5
Montréal, Québec, Canada
Tel: (514) 866-4429
Fax: (514) 933-5565
Internet: simonl@pencilrock.interax.net

Radius Cinepak Toolkit

FEATURES

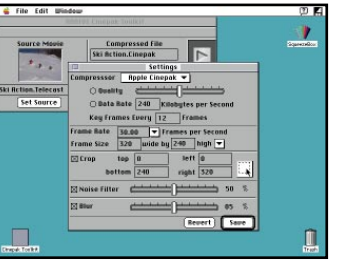
- Six Steps to high-quality Cinepak movies:
  - Frame rate selection & deinterlacing
  - Cropping
  - Noise filtering
  - Resizing
  - Blurring
  - Recompression to Cinepak
- Monitor windows
- Accurate data rate control
- Batch compression support

REQUIREMENTS

Mac OS: 8MB RAM; System 7.1, QuickTime 2.0.
Windows: To be announced.

PRICING

Call for pricing.
For the Radius reseller nearest you, call (800) 227-2795.



Cinepak® is the de facto software standard compression/decompression (CODEC) technology for multimedia playback from CD-ROM. It has been employed in hundreds of CD-ROM titles and has thousands of users.

Cinepak® Toolkit™ is an application from Radius that makes it easy to create high-quality Cinepak movies, guiding the user through the six key steps of the process between initial video capture and the final copying of Cinepak movies to CD-ROM.

radius®

RADIUS INC.
215 Moffett Park Drive
Sunnyvale, CA 94089
Orders: (800) 227-2795

Canada: (416) 777-9900
Int'l: (408) 541-6100
Fax: (408) 541-6150
Internet: cinepak@radius.com

The GraphicArts Companion

FEATURES

The GraphicArts Companion is ideal for people who find themselves talking to printers and color separators.

Perfect For:

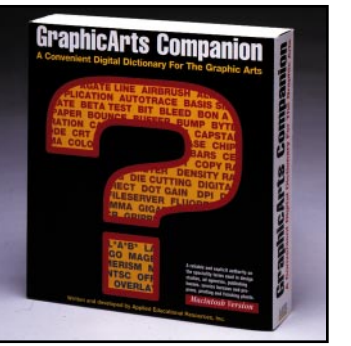
- Designers
- Companies with in-house desktop publishing
- Electronic or multimedia publishing
- Print publishing

REQUIREMENTS

Macintosh System 6.05 or higher; minimum 2MB of RAM.

PRICING

Professional Version: $59.99
Order by fax or online. Visa and MasterCard accepted.



The GraphicArts Companion™ is an interactive graphic arts dictionary, listing hundreds of standard industry terms critical to understanding fields such as computer design, multimedia, page layout, color separations, magazine and book publishing, paper and binding. It also provides coverage of all printing processes. Each term is carefully defined and cross-referenced to related topics in a comprehensive approach.

AER
APPLIED EDUCATIONAL RESOURCES

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125 N. Executive Drive, Suite 396
Brookfield, WI 53005-6012

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Fax: (414) 643-1984
Internet: dxyq39a@prodigy.com

Multimedia Solutions

Dantowitz Consulting & Research specializes in multimedia solutions. We provide consulting services to multimedia developers in the following areas:

Development
- ➤ Lingo and Director debugging
- ➤ Custom software and tools
- ➤ Performance enhancements
- ➤ XCMDs & XOBJECTs

Quality Assurance
- ➤ Interface analysis
- ➤ Code reviews
- ➤ Complete product testing

DANTOWITZ CONSULTING & RESEARCH
11 Meeker Place
Millburn, NJ 07041
Tel: (201) 564-8670
Fax: (201) 564-8641
Internet: dantowitz@aol.com

DeBabelizer Lite

For use with bit-map, scan, or paint files, DeBabelizer Lite recognizes more than 55 different graphics and animation formats for Macintosh, PC , Amiga, SGI and SUN workstations. Translations can be performed on more than 45 different cross-platform bit-mapped graphics formats with unrivaled 24-bit to 8-bit color reduction. Picture Icons and Picture Previews are created automatically for each image saved, and the Slideshow feature creates on-screen thumbnails of a folder of images which can be translated all at once, automatically, or one at a time. DeBabelizer Lite supports Photoshop and third party Aquire, Filter, and Export plug-ins and Applescript.

Requirements: Macintosh with 700K free RAM, System 6.0.7 or higher; System 7 compatible.

EQUILIBRIUM TECHNOLOGIES
475 Gate Five Road, Suite 225
Sausalito, CA 94965
Orders: (800) 524-8651
Tel: (415) 332-4343
Fax: (415) 332-4433
AppleLink: EQUILIBRIUM
Internet: michael_ross@equil.com

EQUILIBRIUM

Cleaner Pro 1.1

A serious compression tool specifically designed to deal with the realities of multimedia, Cleaner Pro™ is a must for QuickTime movie production.

Features:
- ➤ "Talking Heads" filter maximizes the quality of the most important areas in your video.
- ➤ Unique suspend & resume feature lets you stop and start compression at any time, giving your computer back to you when you need it.
- ➤ Expert system analyzes your application and suggests optimal settings.
- ➤ Optimized for fastest possible compression.
- ➤ Accelerated for Power Macintosh.

PRICING: $79.95
To order, call (800) 577-3443 or fax (408) 353-3871

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Los Gatos, CA 95030
AppleLink: TERRAN
Internet: terran@netcom.com

Terran Interactive

Newton Toolkit

For software developers who want to shape the future of PDAs

FEATURES

- Receive all the tools you need to create applications and content for Newton devices
- Reduce the complexity and time involved in creating great products with this object-oriented and dynamic language
- Develop applications without having to execute sequential edit, compile, and link cycles
- Create interactive Newton books quickly and easily

REQUIREMENTS

A Macintosh Quadra computer with at least 8MB RAM, System 7.0 or later, and Apple SuperDrive floppy disk drive, and a hard drive. To connect your Newton MessagePad,™ you will need either a standard LocalTalk® cable (not included) or a standard Apple serial cable (not included).

PRICING

Newton Toolkit H0107LL/B (U.S. Version): $795
Newton Toolkit H0107Z/B (International version): $795
Call (515) 919-2645 for licensing details.

Newton™

APDA
APPLE COMPUTER, INC.
Canada: (800) 637-0029
Int'l: (716) 871-6555
Tel: (800) 282-2732
Fax: (716) 871-6511

The Newton® Toolkit provides all the tools needed to create applications and content for Newton devices. Its rapid prototyping features, library of extensible components, and interactive development cycle let you see results in seconds. This capability helps you bring products to market faster.

The language at the core of the Newton Toolkit is called NewtonScript.™ NewtonScript lets you develop applications interactively, without having to execute sequential edit, compile, and link cycles. This object-oriented, dynamic language provides everything from automatic memory management and event handling to built-in user interface, data storage, and communications objects.

Newton Book Maker is a new tool for publishers that facilitates the creation of electronic books, travel guides, reference materials, and corporate documentation for devices based on Apple's Newton technology. It automatically creates sophisticated and easy to navigate applications from electronic documents. So, people without any programming expertise can create interactive Newton books—quickly and easily. Newton programmers can use Newton Toolkit objects and the NewtonScript language to fully extend and customize Book Maker applications.

TabulaRasa

TabulaRasa is a complete cross-platform solution for mobile data collection. Its capability derives from an extensible open platform design and graphical linking interface. Built-in communications tools facilitate import/export functionality. TabulaRasa supports System 7.5, AppleScript and runs native on the Power Macintosh. TabulaRasa is sold in 3 components: TRDesign, a forms generator for Macintosh/PowerBook;® TRCollect, for data entry on Newton or Macintosh/PowerBook; and TRDistribute, the server module that allows multiple simultaneous connections on all platforms and management of users and groups.

Requirements: Newton: OS 1.3; 300K RAM or Ram Card MessagePad 110/120. Macintosh: System 7.0; 3MB disk space; 4MB RAM.

TABULARASA

BRAND X SOFTWARE
3228 C West Cary Street
Richmond, VA 23221
Tel: (804) 355-0374
Fax: (804) 358-3847
AppleLink: XPERTS
Internet: xperts@richmond.infi.net

OmniForm

OmniForm™ is a PC/MAC rapid development environment for the Newton enabling the user to create and deploy turnkey data collection solutions. OmniForm includes a library of data collection "agents," a comprehensive scripting language, and full communications subsystem. It also supports bar-code and magnetic strip readers, Newton printers, Digital Ocean and ETE communicators, and Wayfarer Enterprise Servers. It's an ideal tool for end users, developers, VARs, and system integrators!

OmniForm requires System 7.0 or later; or Windows 3.0 (486), including NT servers. Prices start at $499.

WRIGHT STRATEGIES

WRIGHT STRATEGIES
731 South Highway 101
Suite 12
Solana Beach, CA 92075
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Fax: (619) 794-2497
AppleLink: WRIGHTSTRAT
Internet: wrightstrat@applelink.apple.com

StuffIt InstallerMaker 2.0

Have your product ready to ship within minutes with the quick and easy StuffIt InstallerMaker.

FEATURES

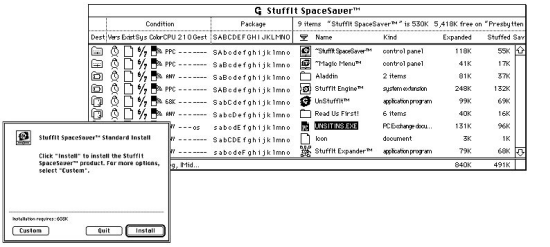
- Integrated StuffIt compression allows you to ship your products on fewer disks.
- An intuitive point-and-click interface makes setting installation conditions, destinations, and defining "packages" for installation straightforward.
- Scripting is not required.
- Complete Power Macintosh support, including localization and font support, is available.

REQUIREMENTS

Any Macintosh or Power Mac computer; 4MB RAM; Sytem 6.0.5 or higher; System 7.0 recommended; A/UX compatible.

PRICING

Call (408) 761-6200 for pricing or to receive a free fully-functioning copy.



Just because your software is done doesn't mean your work is. At a moment when time is crucial, you still have to develop an installer. And that can take days or weeks.

With Aladdin Systems' StuffIt InstallerMaker,™ you can have your product ready to ship literally within minutes. Hundreds of software publishers, from Apple to Xerox, distribute their wares using StuffIt technology.

StuffIt InstallerMaker uses Aladdin's proven compression technology to reduce the number of disks needed. Since those cost savings go straight to the bottom line, more funds can go to other things.

No scripting is required to create powerful installers using InstallerMaker. Its intuitive point-and-click interface makes setting destinations and installation conditions a breeze. It even reduces the workload of your engineering staff. Yes, we've made StuffIt InstallerMaker so easy to use that even your VP of Sales could prepare your installer.

StuffIt InstallerMaker

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Watsonville, CA 95076
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Fax: (408) 761-6206
AppleLink: ALADDIN
Internet: aladdin@well.com

Resorcerer

"Without a doubt, the premiere resource editor on the Mac " —MacUser 3/94

FEATURES

- All editing safely done in private memory only
- Supports hundreds of standard resource types
- Templates support over 120 data field types; ResEdit™ compatible
- File comparison, text searching, screen copying
- Editable, accumulating resource scrap/clipboard
- Data fork editing, code disassembly, derez'ing
- 500 page manual and free tech support
- Japanese version

REQUIREMENTS

System 6.0 or later; 1.5MB disk space; 1MB RAM minimum, 2MB RAM suggested.

PRICING

$256 U.S. (UPS shipping, 60-day money back guarantee, 500+ page manual)

Educational and quantity discounts available; Visa/MC, POs, or checks drawn on US funds

To order, call: (303) 440-0707

Relied upon by developers, interface designers, and localizers around the world, the award-winning Resorcerer® is a powerful, 32-bit, safe, easy-to-use, and well-supported resource editor for Macintosh and Mac OS compatible personal computers. Now, engineers at every major Macintosh software company, including Apple, enjoy Resorcerer's superior benefits.

Filled with time-saving features to make you more productive, Resorcerer lets you easily browse all resources using just one file window; search all resources for specific text matches; make global attribute changes, including changing resource types, with full undo; build resource files from other resource files automatically; and lots, lots more. Dedicated editors for dialogs, menus, color icons, pictures, strings, and other standard resources all work smoothly.

Resorcerer's magic will quickly save you time and money, whether you have to disassemble a picture; design balloon help; create anti-aliased icons; change the structure of existing resources; design and edit a custom resource with 40,000 fields in it; create C source code to run a dialog; find every reference to a control; or any of hundreds of other resource-related tasks.

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P.O. Box 298
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Tel: (303) 440-0707
Fax: (303) 440-0504
AppleLink: RESORCERER
Internet: Resorcerer@aol.com

INTERSOLV DataDirect Developer's Toolkit

Steamlines client/server, ODBC-compliant application development

FEATURES

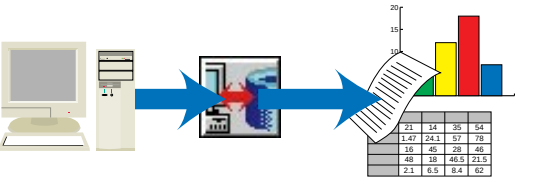
- Supports multiple platforms: Windows, OS/2, Windows NT, Macintosh and UNIX
- Port code written for DBMS access to other platforms without alterations
- Works with all major development environments
- Callable from any source that can call a DLL or shared library–any developement tool and any macro, programming or scripting language
- Integrate with a preferred development tool to create a powerful and complete DBMS-independent client/server development environment
- Flexible ODBC driver licensing options available

REQUIREMENTS

System 7.0 or higher; 4MB RAM.

PRICING

Please call for details. Request a FREE copy of *The DataDirect Developer's Toolkit White Paper.*



INTERSOLV DataDirect Developer's Toolkit streamlines client/server, ODBC-compliant application development. A high-level API eliminates the complexities of multiple DBMS access and data manipulation across multiple platforms.

Our unique, thinly layered approach leverages productivity and insulates your application without blocking access to DBMS functionality. Code and maintain a single set of highly efficient source code regardless of the number of different data sources. Developer's Toolkit works in any development environment that can call a DLL or shared library.

DataDirect products support these databases: ALLBASE, Btrieve, Clipper, DB2*, DB2/2, DB2/6000, dBASE, Excel, FoxBase, FoxPro, Gupta SQLBase, IMAGE/SQL, INFORMIX, INGRES, Interbase, Microsoft SQL Server, NetWare SQL, Oracle, Paradox, PROGRESS, SQL/400*, SQL/DS*, Sybase System 10, Sybase SQL Server, Teradata*, Text files, and XDB.

*Requires a gateway. Not all DBMS are available on all platforms and some may require a gateway.

INTERSOLV

INTERSOLV
1800 Perimeter Park Drive
Suite 210
Morrisville, NC 27560
Orders: (800) 547-4000
Tel: (919) 461-4200
Fax: (919) 461-4526

INTERSOLV DataDirect ODBC Pack

Provides complete and secure database access for client/server computing

FEATURES

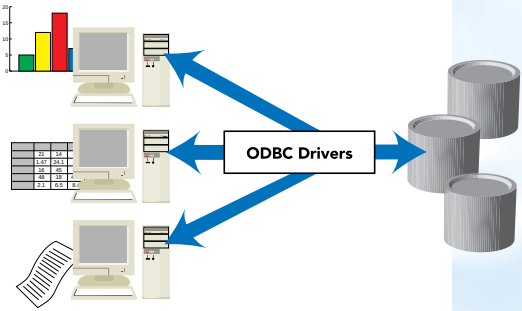
- Supports multiple platforms: Windows, Windows NT, OS/2, Macintosh and UNIX
- One-stop shop for technical support for all drivers
- High-level implementation and multilevel ODBC support
- Full SQL transaction processing, even network locking support for non-SQL DBMSs
- Only set of ODBC drivers that supports a consistent level of ODBC Core, Level 1 and key Level 2 functions
- Flexible purchase option–you can purchase INTERSOLV ODBC drivers in the ODBC Pack, which supports over 35 databases, or individually

REQUIREMENTS

System 7.0 or higher; 4MB RAM.

PRICING

Please call for details.Request a FREE copy of *Getting Connected: DataDirect Developer's Toolkit White Paper.*



INTERSOLV is the first to provide a vendor-independent solution for building and deploying ODBC-compliant, client/server applications. DataDirect's 3-D transparency enables ODBC access to over 35 database sources from multiple applications across multiple platforms (Windows, Windows NT, OS/2, Macintosh and UNIX).

INTERSOLV is the leading provider of database access technology to major software publishers, including Microsoft, Borland, Computer Associates, and Lotus. With DataDirect products, you get the same reliable technology.

INTERSOLV offers the most comprehensive ODBC drivers that deliver full ODBC compliance, supporting Core, Level 1 and key Level 2 ODBC functions. All drivers are certified to guarantee high functionality, reliability and performance. With the DataDirect ODBC Pack, you have the highest degree of flexibility in deploying ODBC-compliant custom or third-party applications across multiple platforms.

DataDirect ODBC drivers are built on a common code base and are constantly tuned and enhanced for high performance. With INTERSOLV's state-of-the-art approach, you can leverage your investment and provide complete and secure database access for client/server computing.

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1800 Perimeter Park Drive
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Morrisville, NC 27560
Orders: (800) 547-4000
Tel: (919) 461-4200
Fax: (919) 461-4526

Metrowerks CodeWarrior

The fastest way to write 68K and Power Macintosh code

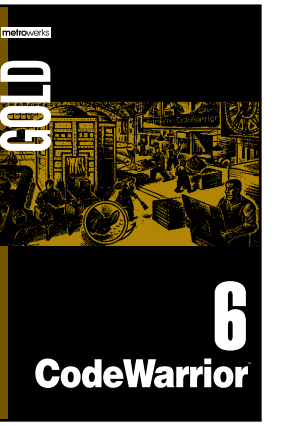
FEATURES

- Includes 12 compilers
- Two free updates
- 30 day money back guarantee
- Intel Win32 x86 code generation (Mac Hosted)
- New Drop-In tools environment
- Integrated access to Apple's Toolbox Assistant
- PowerPC™ and 68K Assemblers (MPW® Tools)
- Improved MPW Tools
- On-line PowerPlant Library Reference
- Documentation in QuickView format
- Raw Memory Hex Dump Window for Debugger

PRICING

CodeWarrior 6 Gold: $399
(for Power Macintosh and 68K Macintosh development)

CodeWarrior 6 Bronze: $99
(for 68K Macintosh development)



Metrowerks CodeWarrior is a complete development solution for C, C++ and Pascal programming on both 68K Macintosh and the new Power Macintosh from Apple Computer.

CodeWarrior Development Environments run native on either platform and also cross-compile for either platform. You can therefore build Power Macintosh binaries on 68K or 68K binaries on Power Macintosh—at Power Macintosh speeds.

CodeWarrior implements draft ANSI C++, including templates and exception handling. Additional support for OOP includes Object Pascal and a C++ object browser.

CodeWarrior also includes the PowerPlant application framework. It is non-monolithic, and fully supports the Apple Object Model. Applications written with PowerPlant are recordable and scriptable. The CodeWarrior Debugger and PowerPlant's view editor, Constructor, are written in PowerPlant.

MACUSER EDITORS' CHOICE AWARD 1994 WINNER
Software Product of the Year

1994 BYTE AWARD OF EXCELLENCE

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AppleLink: SALESWERKS
Internet: sales@metrowerks.com

Microsoft Visual C++

Cross-development edition for the Macintosh, version 2.0

FEATURES

- The express way to build applications for the Macintosh:
  - Recompile for the Macintosh
  - Port Windows-based features easily to the Macintosh
  - Use familiar toolset for Macintosh targeting
  - Debug Macintosh executable at native speed
- Macintosh users won't know the application came from Windows since it has:
  - True native Macintosh programming
  - Familiar Macintosh interface
  - Fast executables

REQUIREMENTS

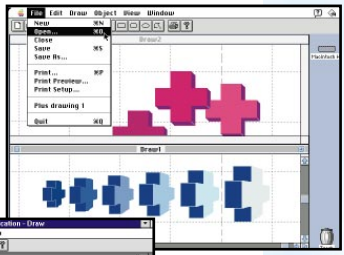
Windows NT Workstation host— Personal computer using a 386 or higher microprocessor running Microsoft Windows NT Workstation version 3.5 or later; Microsoft Visual C++ version 2.0; 16MB RAM (20MB RAM recommended); CD-ROM drive; 40MB hard disk space; VGA or higher resolution monitor; Ethernet hardware.

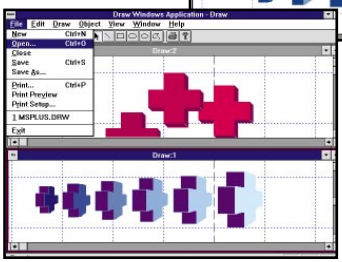
Macintosh target—Motorola 680x0-based Macintosh; System 7 or later; 5MB RAM; 4MB hard disk space; Ethernet hardware.

Microsoft®

MICROSOFT CORPORATION
One Microsoft Way
Redmond, WA 98052-6399
Orders: (800) 719-5577
Tel: (206) 882-8080
Fax: (206) 936-7329

To build your application with the familiar Macintosh interface, recompile your Microsoft Foundation Classes and Microsoft Win32 API source code, and link with the Windows Portability Library. It's just about that quick.





The application started in Windows, but it has Macintosh written all over it. With this add-on and your Macintosh expertise, up to 90 percent of code can be reused across platforms. Use even more when it's Microsoft Foundation Class code.

If there ever was a time-saver in programming, this is it—the Microsoft Visual C++ cross-development edition for the Macintosh. With it, you can use up to 90 percent of your code from Windows-based applications to create the same applications for the Macintosh, with the familiar Macintosh interface. It's the quickest way to bring out the best in both worlds.

Increase your user base with very little increase in development time with the Microsoft Visual C++ cross-development edition for Macintosh. It's the toolset that extends the Visual C++ development system to include additional menu items, dialog boxes, and tools for building and debugging Macintosh executables from a host machine running the Windows NT Workstation desktop operating system.

No more retooling and rewriting your applications to support the Macintosh platform. All that's required is knowing the Microsoft Foundation Class Library or the Microsoft Win32 API for the Microsoft Windows operating system, plus a little Macintosh expertise for fine tuning. The end result? High-performance applications that are made for the Macintosh. This is one time when working less produces more.

Sybase Open Client/C Developers Kit

Provides the necessary libraries and utilities to create C-based client applications

FEATURES

Open Client supports:

- ➤ True server-side cursors
- ➤ Multi-byte character sets
- ➤ Localized error messages
- ➤ Asynchronous client-to-server processing allowing control to be passed to other client applications
- ➤ Tunable message packet sizes for client-to-server communication
- ➤ Reusable, dynamic SQL queries that increase performance

REQUIREMENTS

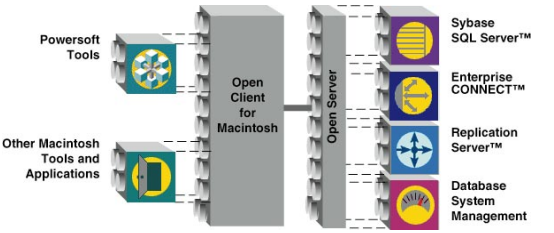
System 7.1 or later; 8MB RAM; 20MB disk space (additional space required if more than one development environment used).

PRICING

$795 per developer with right to make unlimited run-time copies

A new SQL Server database license entitles purchaser to one, free Macintosh Developer's kit.

To order, call (800) 8-SYBASE



The Sybase Open Client/C Developers Kit allows developers to build client/server applications that can access Sybase SQL Server databases, other diverse data sources through the Sybase family of Enterprise CONNECT interoperability products, and custom applications built using Sybase Open Server.

The Open Client/C Developers Kit provides the necessary libraries and utilities a developer needs for creating a C-based client application to interact with the various Sybase Server products and the Enterprise CONNECT product family which provides access to popular databases, such as, Oracle, Rdb, Ingres and mainframe database systems, such as DB2.

Open Client supports developers who prefer to use call level interfaces, such as, the popular DB-Library programming interface or the newer Sybase System 10 Client-Library call level interface in either the Macintosh Programmer's Workshop (MPW), Symantec Think C, or Metrowerks CodeWarrior environments.

The Open Client/C Developers Kit provides support for popular network transport protocols including MacTCP® and DECnet (via TSSnet). Over a thousand commercially available products and tools are built to support the Sybase Open Client and Sybase SQL Server products.

SYBASE®
The Architecture for Change™

SYBASE, INC.
6475 Christie Avenue
Emeryville, CA 94608
Orders: (800) 8-SYBASE
Tel: (510) 922-3500
Fax: (510) 658-9441
Internet: http://www.sybase.com

Mach[Ten] — Power UNIX for Macintosh

A complete development environment for Power PC, UNIX and Macintosh applications

FEATURES

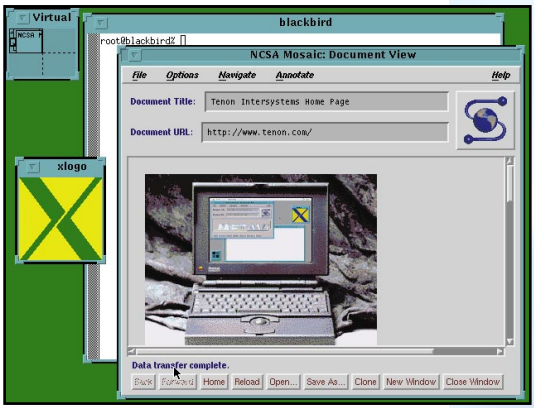
- Full Macintosh application compatiblity
- Industry-standard UNIX software development environment
- Internet communications support
- Distributed File System with NFS client and server
- X Window development environment with Motif
- High-performance X server with mwm and olvwm

REQUIREMENTS

Power Mac: 16MB RAM; 100MB disk
68K Mac: 8MB RAM; 80MB disk

PRICING

Mach[Ten] — Power Unix: $695.
Personal Mach[Ten] (for 68K Macs): $495.
Professional Mach[Ten] (for 68K Macs): $695.
Mach[Ten] X Window Software: $350.



With Tenon's new PowerPC native Mach[Ten], you can develop PowerPC, UNIX, and Macintosh applications using standard UNIX C and C++ tools. You also can use standard Power Macintosh software development tools, such as, Metrowerks CodeWarrior and Apple's MPW, to develop Mach[Ten] UNIX applications.

Mach[Ten] — Power UNIX is a BSD/MACH UNIX that runs on all Power Macintosh computers and those accelerated with PowerPC upgrade cards. Mach[Ten]'s strength lies in the way it extends the Macintosh operating system with UNIX networking and software development tools. The Macintosh/UNIX integration is so strong that you can even use Macintosh programs and utilities on UNIX data, and UNIX programs and utilities on Macintosh files.

Full Internet protocol support ensures fast, easy client and server NFS, e-mail, and file transfer between the Macintosh and all TCP-based entities on your network. Built-in Internet services include domain name service, POP mail service, internet routing, SLIP & PPP, and Web service.

Full X11R5 support with Motif make developing distributed applications a breeze. And, Tenon's high-performance X server lets you use your Power Macintosh as an X terminal.

TENON INTERSYSTEMS
1123 Chapala Street
Santa Barbara, CA 93101
Tel: (805) 963-6983
Fax: (805) 962-8202
AppleLink: TENON
Internet: sales@tenon.com
WWW: http://www.tenon.com

Developer VISE Lite

FEATURES

- Flexible, powerful and easy to use
- Fully automatic support for Power Macintosh
- VISE compression creates the smallest installers
- Self-adjusting to various user configurations
- Low one-time fee, no royalties ever!

REQUIREMENTS

1MB RAM; System 6.0.5 or higher.

PRICING

$295, no royalties ever!

Choose Developer VISE Lite, the installer that stands out in a crowd. You'd be surprised at how many major players depend on Developer VISE for all of their installers. Now this same technology is available to you with an affordable one-time license fee. No tricks, no royalties, no renewals—just a great installer and great support from the people who make it. Join Adobe, Claris, Apple Computer, Inc., Symantec, WordPerfect, and many other satisfied customers.

Contact us today for a free demo copy.

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Internet: mindvision@mindvision.com

Type On Call 4.0

The fastest, most economical way to buy Adobe typefaces. Now you can have any typefaces you need in minutes!

FEATURES

- 35% off every purchase
- 24 hours, 7 days a week unlocking service
- Exclusive special monthly offers
- Electronic order form
- Macintosh and Windows version on the same disc
- Cross platform discounts

REQUIREMENTS

Any Macintosh computer; 4MB RAM to run the Adobe Purchaser; 5MB RAM to run the Adobe Type Browser (these applications can run simultaneously with 6MB RAM); hard disk; CD-ROM drive; Adobe PostScript printer or other laser, dot matrix or inkjet printer supported by Macintosh.

Windows 3.0 or greater; IBM PC, PS/2 or 100% compatible using 386 or faster processor; 4MB RAM for Windows 3.0 or 3.1; hard disk; mouse; CD-ROM drive; Adobe PostScript printer or other laser, dot matrix or inkjet printer supported by Windows.

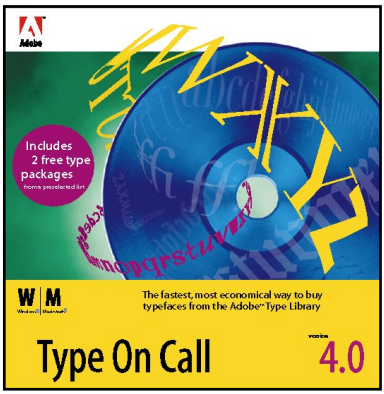
PRICING

$49

To order, call (800) 445-8787.

Adobe

ADOBE SYSTEMS, INC.
1585 Charleston Road
Mountain View, CA 94039-7900



The Type On Call™ CD-ROM version 4.0 contains more than 2,000 encrypted Adobe typefaces for Macintosh and Windows, including multiple master typefaces that let you create hundreds of fonts from a single design. When you're ready to buy type, just call Adobe for the access code that unlocks the Macintosh or Windows type package you want. Included with the purchase of the disc are:

- Award-winning Adobe Type Manager and 30 fonts
- Two free type packages from a selection of eight
- Adobe Type Browser, an on-screen catalog for previewing and printing sample typefaces
- Adobe Type Reunion, a font menu organizer for the Macintosh
- Adobe PostScript Printer Drivers
- Key Cap Access, a utility that shows character key stroke combinations for fonts installed on your Macintosh system

So get Type On Call 4.0, and any typeface you need is just a phone call away.

OmniPage Pro 5.0

Never retype another document.

FEATURES

- 3D OCR™ and neural network technology for improved accuracy
- Font and style recognition from 6 to 72-points, including bold, italics, and underlined text
- HP AccuPage 2.0 for improved recognition
- Deferred processing for efficiency
- OCR training for special or hard-to-read characters
- 24-bit color graphic editor
- Low-cost upgrade from any Caere OCR product

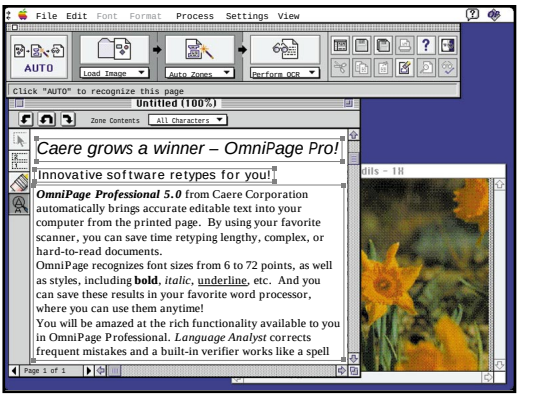
REQUIREMENTS

Any Mac II, SE/30, Quadra, PowerMac or greater; 8MB RAM; 8MB free disk space; System 7 or above; VGA or SVGA monitor.

PRICING

OmniPage Pro 5.0 List Price: $695
OmniPage Pro 5.0 Upgrade: $149
(for owners of any OmniPage or WordScan product, including those bundled with your scanner.)

Available at Caere resellers or call (800) 535-SCAN



OmniPage® Pro 5.0 is a fully featured, customizeable OCR that takes printed pages and converts them into your favorite word processor, spreadsheet, or database application. It works with your scanner to provide editable text and graphics at the touch of a button.

OmniPage Pro incorporates several technological innovations to provide you with the most accurate OCR software yet. Neural network technology, 3D OCR™ and Language Analyst™ study not only characters and greyscale information, but also word context for superior results.

OmniPage Pro recognizes any font, from 6-point fine print to 72-point headlines. It also retains text styles, whether bold or italics or underlined. You can maximize your OCR results by using the integrated 24-bit color image editor. And, it's Accelerated for PowerMac, so it's fast!

For powerful control over OCR, you can customize OmniPage Pro's advanced features to meet your needs. Train OmniPage Pro to recognize special or hard-to-read characters. Defer processing to run OCR at your convenience. Take advantage of zone templates for frequently-recognized document formats. Get OmniPage Pro, and stop retyping.

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100 Cooper Court
Los Gatos, CA 95030
Orders: (800) 535-SCAN
Tel: (408) 395-7000
Fax: (408) 395-1994
Internet: info@caere.com

Accelerated for Power Macintosh

TCP Toolkit

A family of TCP communications and connectivity products for 4th Dimension, AppleScript and Hypercard

FEATURES

- Allows implementation of any TCP/IP-based protocol including HTTP, SMTP, Telnet, and more
- Allows up to 64 simultaneous connections
- Supports passive listening sockets
- Supports sending and receiving data via streams or entire files
- Implements FTP send and receive capabilities in 4GL code using extensions
- Process aware 4D version

REQUIREMENTS

MacTCP (included with System 7.5)

PRICING

4th Dimension version (10 user license): $200

AppleScript or Hypercard version (10 user license): $150

30 and 70 user, site, vertical and horizontal distribution licenses are available. Contact Dynamic for pricing.

TCP Toolkit™ is a family of TCP communications and connectivity products for 4th Dimension, AppleScript and Hypercard. It provides full and robust access to TCP services from within these leading 4GL environments.

Given the near de facto standardization of TCP/IP as the networking protocol for many organizations (not to mention the internet), there is an increasing need for 4GL tools to access or provide services over TCP/IP networks.

By combining the development speed of today's most popular Macintosh 4GLs with complete access to TCP communications, a wealth of solutions can be created quickly and with relative ease: advanced mail agents, automated FTP, remote control of unix systems, access to a variety of data sources, even TCP/IP data servers.

Field proven at Fortune 500 companies and in commerical applications, TCP Toolkit offers the stability and performance necessary for serious applications.

If you need programatically-controlled access to TCP-based services or if you need to provide such services on a local network or the internet, TCP Toolkit is the ideal solution.

DYNAMIC INFORMATION SYSTEMS
5402 Parkdale Drive, Suite 111
Minneapolis, MN 55416
Tel: (612) 593-5000
Fax: (612) 593-5081
Internet: dyninfo@aol.com

AppWare 1.2

A rapid application development tool that uses prebuilt software components

FEATURES

- Facilitates customization and maintenance
- Promotes rapid prototyping and development
- Reduces development resources and costs
- Supports porting across platforms
- Promotes reuse
- Extends development capabilites to nonprogrammers

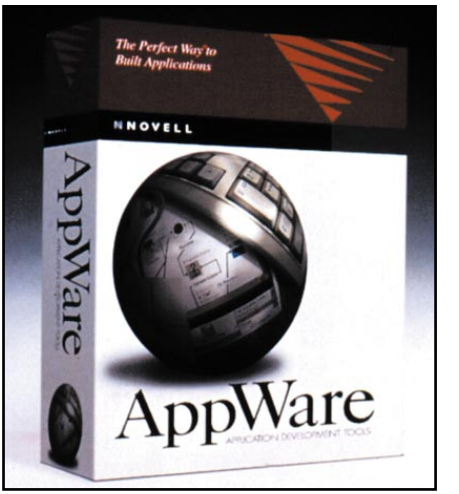
REQUIREMENTS

Macintosh with 68030 processor or better, System 7 or later, 6MB RAM, CD-ROM drive, 10MB disk space; or MS Windows 3.1 or later, 386 processor or better, 4MB RAM, CD-ROM drive, 13MB disk space.

PRICING

From April 3rd through August 31st, AppWare will be available for an introductory price of $199 (regularly $495.00)

To order, call your local Novell reseller, or call (800) 421-8006, M-F, 8:30AM-8:00PM, EST



If you're a corporate or commercial software developer, AppWare is the rapid application development tool you need. AppWare is a fifth-generation-language (5GL) tool that enables you to graphically construct network applications using prebuilt software components.

AppWare gives applications the sophisticated features demanded by today's users. You can easily build applications with database access, communications and multimedia capabilities and an easy-to-use GUI. Just visually select and arrange the prebuilt software components called AppWare Loadable Modules™ (ALMs™).

ALMs contain all the code you would normally write yourself, and they can be reused in other applications. ALMs can range from client/server connections and multimedia engines to accessing NetWare operating systems services, such as, a unified directory and telephony.

AppWare is available on the Macintosh and MS Windows platforms. Applications you create can be easily ported from one platform to the other as long as the ALMs are available for both platforms.

AppWare

NOVELL, INC.
122 East 1700 South
Provo, UT 84606
Tel: (801) 261-7900
Fax: (801) 261-7910
Internet: jshaw@novell.com

BrioQuery 3.0

FEATURES

- Drag & drop GUI
- Export to desktop tools–DDE, Publish/Subscribe
- Complete scripting system
- Multi-level sorts
- Automatic distributive refresh
- Standard queries
- Graphics and layout controls
- Protected models and queries

REQUIREMENTS

Macintosh System 7.0, 2.5MB disk space, 3MB RAM; or Windows 3.1, 2.5MB disk space, 4MB RAM.

PRICING

$595 starting price
Site licensing available

BrioQuery™ is a graphical ad hoc query and visual analysis tool which accesses databases without programming. With built-in cross tabs and incredibly easy reporting, it is the best way to locate, understand and present information. BrioQuery includes distinct modules for querying, reporting and analysis all in one, to support the entire query process from top line summaries to bottom line results.

BRIO QUERY

Brio Technology

BRIO TECHNOLOGY, INC.
650 Castro Street, Suite 500
Mountain View, CA 94041
Orders: (800) TRY-BRIO
Int'l: 44 (0) 702 589 245
Tel: (415) 961-4110
Fax: (415) 961-4572
AppleLink: BRIO
Internet: sales@brio.com

Hard-To-Find Application Software For Professional Use

FEATURES

- Straight-forward, simple to use software that allows you to use sophisticated techniques of analysis on your own
- Included with the program instructions, a book which gives simple descriptions of the analysis techniques

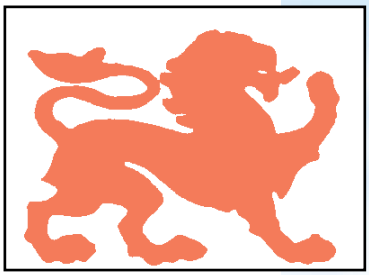
REQUIREMENTS

Macintosh System 7.0 or above; or MS-DOS 5.0 and Windows 3.1 or above.

PRICING

Most titles:$145, shipping & handling $7 ("Surveys & Questionnaires"pkg: $250)

Full software packages include: "Surveys & Questionnaires," "Experimental Statistics," "Biometrics," "Cluster Analysis," "Multivariate Analysis," "Econometrics," "Forecasting & Time Series," "Sales & Market Forecasting," "Inventory," "Quality Control & Industrial Experiments," "Parameter Design & Tolerance Design," "Decision Analysis Techniques," "Regression," "Linear & Non-Linear Programming," "Optimization." For details send for a free catalog.



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Tel: (602) 396-0899
Fax: (602) 396-0932
Internet: lionlion@indirect.com

CELESTIN COMPANY, INC.

Apprentice Source Code CD-ROM

Apprentice is a CD-ROM of over 600 megabytes of up-to-date Macintosh-only source code and programmer utilities. Most of the source code is in CodeWarrior, Symantec, and MPW projects for C, C++, and Pascal. Apprentice includes complete working examples of applications, games, control panels, extensions, utilities, and much more. Also included are technical specifications, language guidelines, programming hints, as well as, a complete collection of the comp.sys.mac.programmer digest, a compendium of information from one of the best Macintosh programmer discussion groups on the electronic networks.

Requires System 7 or higher and a CD-ROM drive.

CELESTIN COMPANY, INC.
1152 Hastings Avenue
Port Townsend, WA 98368
Orders: (800) 835-5514
Tel: (360) 385-3767
Fax: (360) 385-3586
AppleLink: CELESTINCO
Internet: celestin@olympus.net

SIERRA SOFTWARE INNOVATIONS

SALESBASE 2.5

SALESBASE is an integrated sales automation solution for midsize to large corporate sales organizations. SALESBASE links your field sales force, marketing organization, service department, sales management and senior executives with up-to-date account activity. SALESBASE also provides powerful tools which encourage sales people involved in complex sales situations to think, plan, and manage future opportunities.

SALESBASE is completely customizable for the individual needs of each customer.

Requirements: Macintosh 68030; System 7.0 or better; 5 MB RAM; 10 MB hard drive space.
Pricing: $1,600 per user. Volume Discounts.

SIERRA SOFTWARE INNOVATIONS
923 Tahoe Blvd., Suite 102
Incline Village, NV 89451
Orders: (800) 621-0631
Tel: (702) 832-0300
Fax: (702) 832-7753
AppleLink: D2086
Internet: D2086@applelink.apple.com

STARNINE TECHNOLOGIES, INC.

Mail*Link E-Mail Gateways

For over seven years StarNine has offered e-mail gateways to connect Macintosh mail systems including PowerShare Collaboration Servers,® QuickMail® and Microsoft Mail for AppleTalk Networks® to the Internet and to other LAN-based e-mail networks. Our products include:

Mail*Link SMTP
Mail*Link UUCP
Mail*Link MHS
Mail*Link for cc:Mail & QuickMail
Mail*Link Directory Services

Please call for information on how to integrate Macintosh e-mail networks with the rest of the world.

Requirements: Macintosh SE or greater with 4MB RAM.

STARNINE TECHNOLOGIES, INC.
2550 9th Street, Suite 112
Berkeley, CA 94710
Tel: (510) 649-4949
Fax: (510) 548-0393
AppleLink: STARNINE
Internet: info@starnine.com

STARNINE TECHNOLOGIES, INC.

OmniSTAR

OmniSTAR is the ultimate publishing and commercial solution for the Internet. OmniSTAR is a software bundle consisting of WebSTAR (formerly MacHTTP), the first Macintosh-based World Wide Web server; MailSTAR, the first Macintosh-based listserver/e-mail-on-demand system; and FTP and Gopher server software. Together this software makes it easy to create a complete Internet presence that can reach an audience estimated at over thirty million users! Security and transaction processing capabilities are available as well. With OmniSTAR you no longer need to know or use Unix to establish your Internet storefront.

Requirements: Macintosh II or greater with 4 MB RAM

STARNINE TECHNOLOGIES, INC.
2550 9th Street, Suite 112
Berkeley, CA 94710
Tel: (510) 649-4949
Fax: (510) 548-0393
AppleLink: STARNINE
Internet: info@starnine.com

Butler SQL

From firm-wide contact management systems, to workgroup scheduling, to online World Wide Web database access, Butler SQL is the most cost effective database solution.

FEATURES

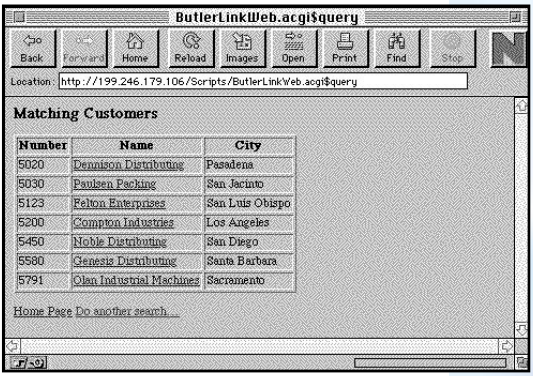
- Client/server SQL RDBMS back end
- Industry standard API (DAM & ODBC)
- Unlimited users per server
- Supports BLOBS (PICT's, QuickTime movies, etc.)
- Transaction processing (full COMMIT/ROLLBACK, RESTORE)
- Accessibility, scalability and flexibility

REQUIREMENTS

Server: Macintosh Classic or later, or PowerPC-based Macintosh; 4M RAM; System 7.0 or later.
Client: Macintosh Plus or later; 2M RAM; System 6.0.5 or later.
Other: appropriate hardware and software for network access.

PRICING

2 users: $249 U.S.
5 users: $995 U.S.
Unlimited users: $1995 U.S.



Butler SQL is a feature-rich multiuser relational database management system for the Macintosh and Power Macintosh (fully optimized for PowerPC). Butler SQL supports access via Apple's Data Access Manager (DAM) and Microsoft's Open Database Connectivity (ODBC) interface.

Butler SQL is the most accessible database server for Macintosh. Over 40 industry standard applications can use Butler as a backend client/server database. Microsoft Excel, QuarkXPress, HyperCard, AppleScript, Omnis, Prograph CPX, FirstClass, Informed, FrameMaker, GQL, DataEdit, ClearAccess, FileMaker Pro, and Tactician are just a few of the more common applications that can make use of Butler's superior client/server database features. In addition, Butler's multi-threaded, client/server architecture allows any combination of different applications to communicate with Butler simultaneously and seamlessly.

The Network version of Butler SQL includes unlimited users and unlimited sessions thus eliminating the individual user fees associated with most other database servers. Clients can connect to Butler SQL through a variety of methods including System 7 program linking, ADSP over AppleTalk, modem, and TCP/IP (from Macintosh and Windows clients).

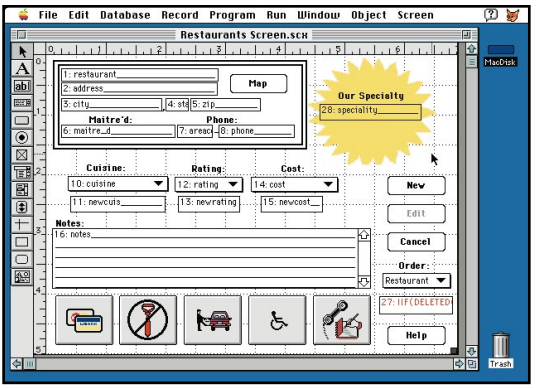
EVERYWARE DEVELOPMENT CORP.
7145 West Credit Avenue
Building 1, Unit 2
Mississauga, Ontario
Canada, L5N 6J7
Int'l: (905) 819-1173 x247
Tel: (905) 819-1173
Fax: (905) 819-1172
AppleLink: EVERYWARE
Internet: info@everyware.com

Microsoft FoxPro v.2.6

Develop applications quickly with FoxPro Power Tools and tap into more than 400 FoxPro commands and functions.

FEATURES

- Fully exploits Macintosh technologies, such as, Apple events and QuickTime
- Combines easy to use development tools with blazing speed and amazing power
- Build applications quickly and manage large sets of data
- Up to 37 times faster than competing relational databases
- Faster data querying, reporting and editing, even when multiple users access the same data
- Share data and run the same application across platforms with FoxPro for the MS-DOS, Windows, and SCO UNIX operating systems
- FoxPro Professional Edition:
  - Develop client/server applications with Open Database Connectivity (ODBC)
  - Distribute your applications royalty-free
  - Build routines in C and link them into FoxPro



Microsoft FoxPro version 2.6 for the Macintosh combines easy to use development tools with blazing speed and amazing power. You can build applications quickly and manage large sets of data elegantly. Rushmore query technology drives powerful search tools such as Relational Query By Example (RQBE). Tests show FoxPro version 2.6 is up to 37 times faster than competing relational database management systems for the Macintosh.

Advanced speed optimization in FoxPro has helped win awards from independent testing services, such as, the National Software Testing Laboratory. FoxPro can zip through hundreds of thousands of records in seconds, so you can work with even the largest data files, which means faster data querying, reporting, and editing, even when multiple users access the same data. Wizards make tedious tasks easy by walking you through them step-by-step. You can build screens, reports and graphs with a few mouse clicks!

Microsoft®

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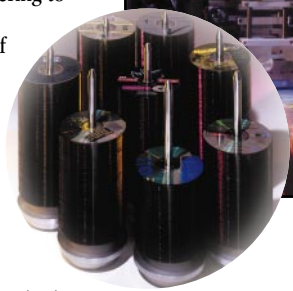
When you hand off your content to a CD-ROM manufacturer, their reliability should be the least of your worries.

Metatec helps put you at ease by offering you a highly responsive local support network through regional offices nationwide. From mastering to distribution, we'll work with you every step of the way to ensure the success of your project.



In fact, Metatec provides a full spectrum of quickturn, flexible manufacturing and fulfillment services, including data preparation and mastering, disk replication, label design and specialty printing, custom packaging and shipping.

Why not drop by and meet the team? We think you'll agree that our state-of-the-art manufacturing operation and distribution facilities can provide you with all the necessary services for creating your custom CD-ROM product.

METATEC Corporation

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KORRELATIONS

Omnis 7 Development Services

Korrelations specializes in database consulting, system integration, and custom software development. Since 1990, Korrelations has offered these services to clients in the U.S. Korrelations is a professional member of the Macintosh Consultants Network and is a systems integrator with Blyth Software for the Omnis 7 toolset. Korrelations' main focus in providing an Omnis based solution is the strong cross-platform and client/server features of Omnis 7.

Korrelations has an excellent team of developers ready to successfully complete your most demanding project. Call us with confidence to discuss your next project.

Korrelations

KORRELATIONS
9894 Sitka Circle
Fountain Valley, CA 92708
Tel: (714) 963-9699
Fax: (714) 546-2818
AppleLink: KORRELATIONS
Internet: chornish@aol.com

QDEA

Synchronize!

Synchronize, backup or move files between Macintosh computers, keeping the newest version on each. Use a floppy disk to transfer files between Macintosh computers, or use File Sharing and a network connection, or Apple Remote Access (ARA).

Synchronize! will automatically dial an ARA server, connect to a file server, copy or move files, log off the file server, disconnect ARA, and shut down or put your Macintosh to sleep, at a preset time.

Copy files on AppleScript command, and execute another AppleScript when copying is complete.

Requirements: System 6.0.2 or later; or System 7 or later
Pricing: $29.95 + shipping & handling

QDEA
6331 Hilton Court
Pine Springs, MN 55115
Orders: (800) 933-9558
Int'l: (612) 779-0955
Tel: (612) 779-0955
Fax: (612) 397-8590
AppleLink: D3949
Internet: qdea@eworld.com

Qdea™

4th Dimension

4th Dimension is the most popular relational database for developers who create applications for end users. Over 3,000 professional developers use the extensive family of 4th Dimension products to create custom and vertical market databases for organizations and educational institutions of all sizes. The next few pages of this guide highlight some of those developers, as well as the products and services they deliver.

FEATURES

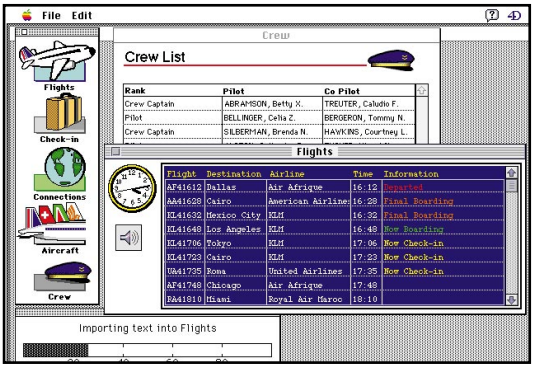
- Over 3,000 developers means custom 4th Dimension applications are readily available.
- The well-respected 4D developer community is constantly growing.
- ACI gives inside information, preferential technical support, and discounts to all registered developers.
- 4D is 68K and PowerMac compatible, and will run on Windows later in 1995.
- Graphical development environment is easy to learn and fast to develop.
- Powerful programming language provides complete extendability to add any features and functions to your databases.
- A best-selling product, 4th Dimension allows flexible and professional tools that are vital to developers and organizations of all sizes.

PRICING

Partner Program: $895 (first year)

For more information regarding the Partners Program, call (408) 252-4444 x248. Or, call the Fax-on-Demand system at (408) 252-7215 and request document #221.

For a listing of registered 4D developers near you, call (408) 252-4444 x248.



4th Dimension is the best-selling RDBMS for the Macintosh. It contains a professional-strength programming language with over 380 commands to add nearly any functionality to databases. The language is intuitive enough for first-time database users to learn, and powerful enough to meet the sophisticated demands of professional developers.

The 4D programming language also enables third party developers to write external tools that add even more functionality to applications—bar code readers, telephone dialing capabilities, QuickTime video controls, and more.

4th Dimension also offers the most robust development environment offered by any relational database. Programmers and users can include spreadsheets, word processors, drawing programs and graphing tools directly into their databases. They can compile code to increase speed significantly and to protect code from modification. A backup system and cross referencing program are also available.

ACI US, INC.
20883 Stevens Creek Boulevard
Cupertino, CA 95014
Tel: (408) 252-4444
Fax: (408) 252-4829
AppleLink: D4444

ALTERNATIVE COMPUTER SOLUTIONS, INC.

Macintosh & PC Consultants

Let us design your Macintosh/PC database or front end to an SQL DB.

Database Design
- ➤ 4th Dimension
- ➤ dBase IV
- ➤ FileMaker Pro
- ➤ FoxPro
- ➤ Omnis 7
- ➤ Oracle
- ➤ Paradox
- ➤ Sybase

ALTERNATIVE COMPUTER SOLUTIONS, INC.
639 East Main Street, Suite 106
Hendersonville, Tennessee 37075
Tel: (615) 264-0156

INFORMATION MANAGEMENT INC.

Application Development

Information Management specializes in developing information systems for sales, marketing and customer service needs.

We assist businesses with a full range of software development services including requirements analysis, application design, software development and implementation. Our experienced team of consultants and developers will work with you to develop applications to meet your business needs.

We can produce the applications you need, on time and on budget. Please call us for a brochure or free consultation.

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150 East Ponce de Leon Ave., #430
Decatur, GA 30030
Toll free: (800) 377-4626
Tel: (404) 377-4840
Fax: (404) 377-5116
AppleLink: INFOMAN
Internet: mark@infoman.com

STARGATE SYSTEMS, INC.

Consulting, Development and Training

Are you interested in implementing high-performance business applications and database management systems that you and your company can depend on? If your answer is YES, we are here to help you!

STARGATE SYSTEMS is a nationally-recognized leader pioneering state-of-the-art 4th Dimension programming since 1987. We deliver proven, successful results that are cost-effective, on-time and on-budget!

Whether you are interested in our comprehensive programming services, or are already working with an existing database and just need a little assistance, our broad range of experience and resources are available to you.

Call STARGATE SYSTEMS for an initial FREE consultation and more information.

STARGATE SYSTEMS, INC.
1810 West Touhy Avenue
Chicago, IL 60626
Tel: (312) 274-6080
Fax: (312) 761-5174
AppleLink: D3462
Internet: 70524,177@compuserve.com

DATABASICS GROUP

4D Training & Consulting

Databasics Group provides on-site 4D training, developer tools and custom software development to companies worldwide. Our staff of 4D experts includes Geoff Perlman, former ACI Training Manager and author of *Inside 4th Dimension*, the best selling 4D book.

Our Developer 4D Assistance™ hotline provides expert resources to 4D users at all levels. We will assist you in creating the most powerful, professional 4D databases, quickly and cost efficiently.

We specialize in custom corporate training, performing 4D code reviews and optimizing databases, advising developers on advanced 4D techniques, and FileMaker to 4D conversions.

For a free 4D Quick Reference Card, call, fax or email today.

DATABASICS GROUP
3300 Bee Caves Road
Suite 650-217
Austin, TX 78746
Tel: (512) 306-1999
Fax: (512) 306-1267
AppleLink: DATABASICS
Internet: databasics@aol.com

FileMaker Pro Runtime

Claris now makes it easy to distribute your FileMaker Pro solutions on Macintosh or Windows.

FEATURES

FileMaker Pro SDK

- Sample buttons and templates
- Cross-platform issues and recommendations
- AppleScript/FileMaker Pro examples
- AppleScript 1.1 runtime with script editor

Claris Solutions Alliance

- Priority access to Claris technical support
- Claris TechInfo Library & Journal
- On-line support services
- CSA Toolbox CD-ROM software
- Product discounts and more!

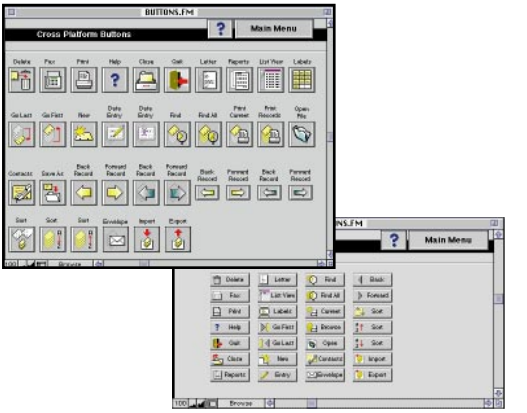
REQUIREMENTS

For Windows: CD-ROM drive; 286 CPU (386SX or greater recommended); 3MB RAM (4MB RAM recommended); Microsoft Windows 3.1 or higher in standard or enhanced mode; hard disk drive; VGA video adapter; mouse or other pointing device required for file design; multiuser file sharing support.
PC to PC Networking: IPX/SPX & NetBIOS support.
PC to Macintosh Networking: PhoneNET PC & IPX/SPX support.

For Macintosh: CD-ROM drive; Apple Macintosh Plus or later; hard disk drive; minimum 2MB RAM; System 6.0.5 or later, or System 7 or later.

CLARIS™

CLARIS
Orders: 1-800-3CLARIS



Claris now makes it easy to distribute your FileMaker Pro solutions on Macintosh or Windows. Just one CD-ROM contains everything you need to create standalone or multiuser runtime solutions of FileMaker Pro for Macintosh, Windows or both. Your customers won't have to buy a copy of FileMaker Pro! Simple point-and-click operation lets you work quickly, while full-featured development tools make it easy to explore your options.

Solutions created with FileMaker Pro Solutions Development Kit (SDK) are totally functional with FileMaker Pro 2.x and the FileMaker Pro Server, ensuring complete compatibility. And because FileMaker Pro Runtime won't let end users modify the database structure, it protects the integrity of your runtime solution.

The SDK is available to Claris Solutions Alliance (CSA) members. Membership comprises consultants, solutions providers, trainers and publishers.

Take advantage of Claris resources and knowledge to increase your productivity and expand your business. Keep up to date on the latest product developments; be informed about tips and techniques; gain access to our most knowledgeable support staff; plus much more!

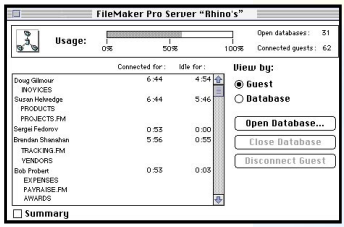
FileMaker Pro Server

FEATURES

- New client/server architecture increases network performance up to 100%
- Supports up to 100 simultaneous Macintosh and Windows users per file
- Host databases for Macintosh and Windows users running AppleTalk, Novell IPX, or both
- Multi-threading for processing tasks simultaneously
- Asynchronous File I/O accelerates disk access
- Accelerated for Power Macintosh

PRICING

$1499 suggested retail in the U.S. Available through authorized Claris channels and directly through Claris



The ease of use and flexibility of FileMaker™ Pro software has made it the number one database solution for Macintosh users and workgroups. And now there's FileMaker Pro Server 2.1—the powerful network server version of the program— which delivers dramatically faster multiuser performance and new centralized network management tools across AppleTalk and Novell IPX networks.

CLARIS™

CLARIS CORPORATION
5201 Patrick Henry Drive
Santa Clara, CA 95052-8168
Tel: 1-800-3CLARIS

Database Associates, Inc.

REQUIREMENTS

FileMaker Pro 2.0+; Macintosh or Windows.

PRICING

For more information contact:
Database Associates, Inc.
Tel: (617) 449-6200
Fax: (617) 449-2221
Applelink: DBA
AOL: DBA1
Compuserve:73361,267
Internet: DBA1@aol.com

Do Business Your Way! We develop software solutions customized to your specific requirements on Macintosh and Windows platforms.Custom solutions have included:

- University admissions
- University financial management
- Human resources
- Purchasing
- Sales and marketing
- Contact management

Business solutions:

- AddressTrak: Contact manager used at Claris
- OrderTrak: Sales tracking for Manufacturers Representatives

Solutions for clients:

- Universities, Software, Pharmaceutical, Advertising, Sales, Marketing, and Retail

DATABASE ASSOCIATES, INC.

DATABASE ASSOCIATES, INC.
56 Kearney Road
Needham, MA 02194
Tel: (617) 449-6200
Fax: (617) 449-2221
AppleLink: DBA
Internet: DBA1@aol.com

Custom Database Development

Specializing in FileMaker Pro for the Macintosh and Windows. Data Wizard provides a full range of database consulting services to businesses of all sizes, including:

- ➤ Business consultation and project specification
- ➤ Project development and installation
- ➤ Integration of databases with other systems
- ➤ Problem solving for trouble spots
- ➤ Phone consultation to get you on track
- ➤ Templates for a variety of business needs
- ➤ Training for individuals or groups at your site

Call for references and consulting rates. Join the ranks of satisfied customers who have worked with the Wizard!

DATA WIZARD
P. O. Box 247
Ben Lomond, CA 95005
Tel: (408) 336-2129
Fax: (408) 338-3307 *51
AppleLink: SKLIEWER
Internet: sheilasgk@aol.com

Custom Database Development

We design and develop custom database solutions for your specific needs using FileMaker Pro. Some of our most recent clients are: McGill University, SOFTIMAGE, and Bell Canada.

We focus on high quality, and pay close attention to detail, all the while providing an elegant visual interface along with innovative techniques to achieve time-saving results.

We have served many of our clients right over the Internet. Ask us for a free demo disk today!

Our skills include FileMaker Pro, AppleScript, FaceSpan, and multimedia tools.

Our existing solutions include: Multipurpose Tracker, Statistics Galore, Label savers, and others.

Requirements: Macintosh Plus or greater; hard disk; 4 MB RAM; System 7 or greater.

WAVES IN MOTION
6053 Verdun Avenue
Verdun, PQ H4H 1M8
Tel: (514) 761-3771
Fax: (514) 761-5188
AppleLink: WAVES.MOTION
Internet: waves@cam.org

User-Friendly Business Software

Intuitive Software develops customized business solutions. Our FileMaker and ClarisWorks management database products have outstanding visual appeal and ease of use. We have developed management software in the following catagories:

- ➤ retail (rental) businesses
- ➤ wholesaler/manufacturers
- ➤ legal professions
- ➤ graphic arts/designers
- ➤ promotion agencies

We have over 25 years of customized database development experience. Challenge us to improve your management software, and experience the "Intuitive" difference.

Intuitive
Software International Inc.

INTUITIVE SOFTWARE INTERNATIONAL INC.
2200 Lakeshore Blvd. W., Suite 300
Toronto, ON M8V 1A4
Tel: (416) 253-2103
Fax: (416) 253-1044
Internet: ron_finnigan@magic.ca

AsantéFAST 100Mb/sec Fast Ethernet Solutions

Accelerate into the fastlane with AsantéFAST, Asanté's 100BASE-TX Fast Ethernet solutions.

FEATURES

AsantéFAST 10/100 Adapter

- ➤ High throughput 32-bit bus master
- ➤ Low CPU utilization increases server performance
- ➤ Single RJ-45 with NWay Auto-Negotiation crashproofes the network connection
- ➤ Macintosh & PC in a single box

AsantéFAST 100 Hub

- ➤ First 12-port stackable 100Base-TX hub with NWay
- ➤ 118-port capability
- ➤ Int'l power supply

REQUIREMENTS

Power Macintosh; PCI bus with Open Transport driver, NuBus with Open Transport driver, or Power PC, Pentium, or 486; PCI bus with popular NOS drivers.

PRICING

AsantéFAST 100 Hub: $1995
AsantéFAST 10/100 PCI Card: $269
AsantéFAST 10/100 NB Card: $399

Asanté products available worldwide; call (800) 662-9686 for a dealer near you. For more product information, contact WWW: http://WWW.asante.com

Only Asanté provides Fast Ethernet hub and card solutions to address the specific needs of speed and bandwidth intensive applications such as desktop publishing, commercial prepress operations, digital video processing, graphic intensive modeling and medical imaging.

The AsantéFAST 10/100 adapters provide premium performance on 10BASE-T or 100BASE-TX and offer exclusive NWay™ Auto-Negotiation. NWay crashproofs your connection and allows instant, trouble free migration from 10M/sec to 100M/sec without user intervention over existing UTP Category 5 wiring.

The half-size PCI card automatically configures itself in any PCI slot. All popular LAN operating systems are supported.

The 12-port stackable Fast Ethernet hub also features NWay Auto-Negotiation to ensure network integrity and minimize network down time. Expansion couldn't be easier with an AsantéFAST 100 Hub; just plug in additional units for 118-port capability.

ASANTÉ TECHNOLOGIES, INC.
821 Fox Lane
San Jose, CA 95131
Tel: (408) 435-8388
Fax: (408) 432-1117
AppleLink: ASANTE.PM
Internet: smalliet@asante.com

SiliconExpress & ExpressPCI

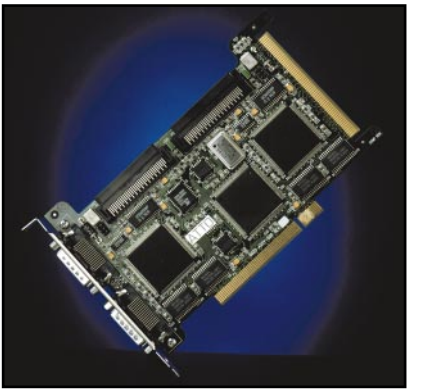
The world's best selling family of high-performance Macintosh SCSI accelerators

FEATURES

- FAST/WIDE SCSI-3
- Fast NuBus/PCI BusMaster
- SCSI-3 transfer rates to 40 MB/sec
- SCSI Manager 4.3 compatibility
- Special bus management hardware for video, fileservers & real-time applications
- Support for up to 210 devices through LUNs
- Differential SCSI-3
- Power Macintosh compatibility
- Formatter and advanced utility

PRICING

SiliconExpress II	Call
SiliconExpress IV	Call
SiliconExpress 3D	Call
SiliconExpress 4D	Call
ExpressPCI Multi-Channel (MC)	Call
ExpressPCI Single-Channel (SC)	Call



The SiliconExpress SCSI-2 accelerator family for NuBus is engineered to provide the ultra-high performance you need for your digital video, prepress, multimedia, and real-time applications. The SiliconExpress family generates data transfer rates up to 20 MB/sec in a variety of configurations for both FAST SCSI-2 and FAST/WIDE SCSI-2.

Speed is always at a premium when your applications concern full-motion video and high-resolution imaging. ATTO's ExpressPCI SCSI-3 accelerator family for PCI delivers an amazing 40 MB/sec of SCSI data—quickly moving massive amounts of information. Compatible with all popular SCSI devices, ExpressPCI is designed with a multi-port OEM adapter to provide a logical growth path for future technology development. This family includes both single and multi-port SCSI-3 versions.

All ATTO accelerators help exceed your Macintosh computer's device limitation by providing additional SCSI ports. This allows easy connectivity to a wide range of peripherals.

Macintosh users can achieve ultra-high performance with full RAID support for both accelerator families. ATTO accelerators also provide a differential capability to extend cable lengths to 81 feet.

ATTO

ATTO TECHNOLOGY, INC.
40 Hazelwood Drive, Bldg. 106
Amherst, New York 14228
Tel: (716) 691-1999
Fax: (716) 691-9353
AppleLink: ATTO

3M 6450 Projection Panel

See how easy it is to add video and sound to your presentations.

FEATURES

- ➤ 16.7 million colors
- ➤ Large 9.4" LCD Display
- ➤ Accepts direct video input
- ➤ Automated setup
- ➤ Virtual mouse remote control
- ➤ Six built-in presentation tools

REQUIREMENTS

Apple Macintosh (II, IIx, IIcx, IIci, IIsi, IIfx, LC), Quadra series, PowerBook series; or IBM or compatible with SVGA (compressed to 640 x 480, 256 color mode), VGA, CGA, EGA, or MDA; prestored modes: VESA 640 x 480, VESA 800 x 600 and Quadra 832 x 624 (compressed to 640 x 480, 256 color mode); three user programmable modes for computer graphics cards with non-standard timing (e.g. 75 Hz VGA).

PRICING

$5495.00 suggested retail

The 3M 6450 active-matrix TFT projection panel lets you add video and sound to your presentations effortlessly. Simply connect your equipment to the projection panel, and with a press of a remote, your images and sounds are seamlessly integrated. While you're presenting from your computer, the remote becomes a wireless PC mouse, so you can control your computer from almost anywhere in the room. The 6450 displays each image in 16.7 million colors on a large 9.4 inch display, and the six unique presentation tools let you zoom in or reveal your image point-by-point. See for yourself just how easy it is to deliver state-of-the-art presentations with the 3M 6450 projection panel.

3M VISUAL SYSTEMS DIVISION
6801 River Place Boulvard
Austin, TX 78726-9000
Tel: (800) 328-1371

PowerPC Upgrades for the Macintosh

DayStar Digital's PowerPro 601, Turbo 601 and PowerCard 601 are the fastest upgrades available for your Macintosh. Get PowerPC speeds for a fraction of the cost of a new Macintosh.

FEATURES

- Power Macintosh speeds for a fraction of the cost of a new Macintosh.
- Built-in secondary cache gives the maximum performance possible.
- Works with the memory you already have installed.
- The ability to switch between PowerPC and original processor ensures smooth upgrade transition.
- Plug-and-play design installs and operates in minutes.

REQUIREMENTS

Designed for specific Macintosh models; System 7.5 required. Call DayStar's FaxBack system for full product specifications at (800) 438-0370.

PRICING

100MHz PowerPro 601:	$1,799.00
80MHz PowerPro 601 w/RAM Expansion:	$1,899.00
100MHz Turbo 601:	$1,799.00
66MHz Turbo 601:	$999.00
PowerCard 601:	$649.00

†The Quadra and Centris 610 are supported with the 100 MHz PowerPro 601 only. An adapter, sold separately, is required for this installation. The Centris 610 operates at 80 MHz with the 100 MHz PowerPro 601 installed.

Turn your existing Macintosh into a PowerPC screamer with DayStar's family of PowerPC upgrades.

DayStar offers the fastest and the most complete set of PowerPC upgrades available for your Macintosh. They cost less than a new machine, install in minutes, and they're compatible with your current system.

PowerPro 601 is designed for the Quadra and Centris 610†, 650, 700, 800, 900 and 950. *MacUser* said, "…if you want the ultimate in speed without trading in your high-end Quadra for a Power Macintosh, it's the only way to go." The PowerPro 601 with RAM Expansion lets you add up to an additional 128MB of system memory. Both models come with a 1MB cache.

DayStar's Turbo 601 puts blistering PowerPC speeds in your Mac IIci, IIsi, IIvx, IIvi and Performa 600. Just plug it in, and go 7 to 11 times faster. Like all of DayStar's PowerPC upgrades, Turbo 601 uses your existing RAM—further reducing the cost to upgrade.

The DayStar PowerCard 601 upgrades Apple's entry-level Quadra, Performa and LC 470, 570, 605 and 630 series to PowerPC. It includes a 256K cache, System 7.5 and ClarisWorks 3.0.

Installation with all of DayStar's upgrades is a snap. Each one comes with a detailed, photo-illustrated manual, award-winning technical support and our 36-month warranty—the best in the industry.

DAYSTAR® DIGITAL

DAYSTAR DIGITAL, INC.
5556 Atlanta Highway
Flowery Branch, GA 30542
Tel: (404) 967-2077
Fax: (404) 967-3018
AppleLink: DAYSTAR.INFO
Internet: info@daystar.com

HammerCD Recorders

Designed for speed and reliability with all popular CD-ROM formats supported

FEATURES

- 2x & 4x CD-ROM Recorders
- Access times down to 300ms
- Supports Apple HFS, ISO 9660, High Sierra, CD-ROM/XA, CD-I, CD-DA (audio CDs), Audio Combined, CD-Bridge, multi-session, multi-volume & incremental reading and recording; also supports digital audio extraction
- Automatic lens cleaning
- Front panel volume control & headphone jack
- Plug-&-Play

REQUIREMENTS

'030 Macintosh or better; System 7 or later; 8MB RAM; 1GB hard disk (w/o thermal recalibration); CD-ROM drive with digital audio extraction (optional).

PRICING

hammerCD-R 2x Recorder: $1,899 suggested retail

hammerCD-R 4x Recorder: $4,699 suggested retail

Blank disks are available in 10-packs.

To order, call (415) 833-4615 or fax (415) 833-4655.

The hammerCD-R line has been designed for speed and reliability. All popular CD-ROM formats are supported, as well as multi-session and incremental writing. The drives represent solutions for the most demanding applications including publishing, data distribution, pre-mastering, pro audio, data archiving and back-up.

The hammerCD-R 4x is the fastest CD recorder available in the retail market, with a maximum data transfer rate of up to 4 MB/sec (burst) and an average access time of 500ms. It writes a 650 MB disk in less than 20 minutes and boasts a 512 KB cache and a 600 KB/sec sustained throughput.

The hammerCD-R 2x is perfect for mid-range users who demand high reliability, ease of use and maximum flexibility. It can function as both a full-time writer and player with read/write performance of 300 KB/sec (sustained) and an average access time of 300ms. The drive features a 1 MB cache, which provides higher tolerance to fluctuations in data rates.

Each HammerCD-R drive includes one blank disk, a caddy, cables, FWB's 1-year PremiumService™ warranty, plus complete copies of Toast 2.5 mastering for Macintosh by Astarte and FWB's own CD-ROM ToolKit.

FWB
1555 Adams Drive
Menlo Park, CA 94025
Orders: (415) 833-4615
Tel: (415) 325-4392
Fax: (415) 833-4653
AppleLink: FWB

Scanmaster 2500 Flatbed Color Scanner

Flatbed scanning that performs, color you can count on

FEATURES

- Scanning area: 13" x 18"; 38cm x 46cm
- Original type: reflective or transparent; positive or negative
- Media carrier: stationary platen, single pass
- Resolution: 600 x 1200 dpi native; 50 to 4800 total range
- Output format: 8 or 12- bit color, 8 or 12-bit gray, 1-bit lineart
- Scan line capture rate: 15ms per scan line; RGB simultaneously
- Technology: tri-linear CCD
- Light source: dual custom fluorescent lamps
- Interface: SCSI-2
- Optical density: 0 - 3.4
- Dimensions (W/H/D): 35.0" x 11.0" x 24.5"; 89.0cm x 28.0cm x 62.0cm
- Weight: 85lbs; 39kg

PRICING

Scanmaster 2500: $14,900

Transparency option: $1,000
Pricing includes Photoshop plug-in module

The Scanmaster™ 2500 delivers brilliant color, highlight and shadow detail—even from difficult originals. Howtek's technological expertise in scanning has been applied to the 2500 to deliver the quality you demand. This quality, combined with the productivity features, make the 2500 the perfect solution for your flatbed scanning requirements. Here's why:

Precision optics: The Scanmaster 2500 uses a precision camera for equal focus across the entire bed. Coupled with the generous platen, this increases the scanning area by more than 25% over standard large format flatbeds.

Productivity: The new tri-linear CCD is the heart of the 2500. This new technology requires fewer moving parts and allows for greater accuracy and less noise as the CCD moves across the bed. It's faster too. Unlike color filters used by the competition, the 2500 captures the RGB data simultaneously. Scan times are more than three times faster. And, the wide dynamic range of 3.4 gives you richer color and superb detail in the highlights and shadows.

Flexibility: The Scanmaster 2500 does it all. It has the size to accept large format lineart and the accuracy to reproduce color chromes with the transparency option and scan art boards, large maps, full size books, sketches, negatives—even halftones.

Howtek

Imaging that makes a difference.™

HOWTEK, INC.
21 Park Avenue
Hudson, NH 03051
Tel: (603) 882-5200
(800) 444-6983
Fax: (603) 880-3843

Proxima — The Desktop Projection Company

Offers a complete line of LCD panels and projectors for displaying data or video images on a large screen

FEATURES

- Easy plug-and-display capability
- Up to 16.7 million colors
- Presentation Control Software
- Optional Cyclops interactive pointer system
- Compact and lightweight
- Built-in video and audio for full multimedia capabilities

REQUIREMENTS

Compatible with all Macintosh and PowerBook families

PRICING

$1,395–$14,795

Whether you're sharing computer-based information in a small workgroup or making a dynamic multimedia presentation to hundreds, Proxima® has a Desktop Projection™ solution for you. Proxima offers a complete line of LCD panels and projectors for displaying data or video images on a large screen.

Proxima's LCD panels work with an overhead projector to deliver bright, full-color, multimedia images. Proxima's LCD projectors have an integrated light source, providing an all-in-one solution for presentation of data, complex animation, or video.

Choose from a number of products offering: active-matrix technology for sharp, crisp images; up to 16.7 million colors (24-bit processing); active color enhancement technology for superior image quality; integrated video supporting worldwide video standards; built-in stereo; and compatibility with all Macintosh systems.

The unique Cyclops interactive pointer system, offered only by Proxima, can be used in conjunction with any of the company's Desktop Projection products. Cyclops works like a cordless mouse, allowing the user to control the computer directly from the projected image.

PROXIMA®

PROXIMA CORPORATION
9440 Carroll Park Drive
San Diego, CA 92121
Orders: (800) 447-7694
Int'l: 31-43-650 248
Tel: (619) 457-5500
Fax: (619) 457-9647

Quality Mass Storage Products

A complete range of hard disc drives, ideal for Macintosh environments

FEATURES

- High performance and reliable drives, ranging from 850MB to 9GB in storage capacity
- Fast SCSI-2 high-performance interface
- Fast Wide SCSI-2 high-performance interface
- 5,411 rpm to as high as 7,200 rpm spindle
- 500,000 hours MTBF for the Barracuda 1 and Barracuda 2 models, and 800,000 MTBF hours for all Hawk and Barracuda 4 models
- Five year limited warranty for the Hawk, Barracuda and Elite models

REQUIREMENTS

Decathlon requires AT-IDE interface

PRICING

Hawk	Call for price
Barracuda	Call for price
Elite 9	Call for price
Decathalon	Call for price

Seagate
THE DATA TECHNOLOGY COMPANY

SEAGATE TECHNOLOGY
920 Disc Drive
Scotts Valley, CA 95066
Tel: (408) 438-8111
Asia: 65 292-6266
Europe: 33 40 671-1300

Seagate offers a complete range of hard disc drives, ideal for Macintosh environments. All Seagate hard drives feature performance levels optimized for the new line of Mac PCI systems.

The Hawk™ family of disk drives features capacities from 1GB to over 4GB in a 3.5-inch form factor. Hawk drives feature a combination of great value, performance and an energy efficient design, ideal for Macintosh and Power PC applications.

For very high-performance Macintosh Digital A/V workstations, the Barracuda™ family is an ideal choice. Long recognized as a high-performance leader, Barracuda drives feature blazing 7,200 rpm spindle speeds and capacities from 1GB to over 4GB in a 3.5-inch form factor.

For high capacity requirements, the Elite®9 delivers over 9GB of storage in a single hard disc drive. This high-capacity drive is the fourth generation of the established Elite family and delivers field-proven reliability.

For new, entry-level Macintosh systems with built-in ATA interface support, the Decathlon™ family of Fast ATA-2 drives feature industry-leading power management, in an ultra-low profile .75-inch form factor.

Color Fusion

24-bit accelerated graphics card for entry level Macintosh computers

FEATURES

- Compatible with all current Apple displays and most any VGA, SVGA and multi-sync monitors
- Compatible with all entry level Macintosh computers, from the original LC to the new 630 series
- QuickDraw acceleration for increased productivity
- Maximum resolution of 1280 x 1024
- Easy installation
- 30-day money back guarantee
- No hassle 5-year registered warranty

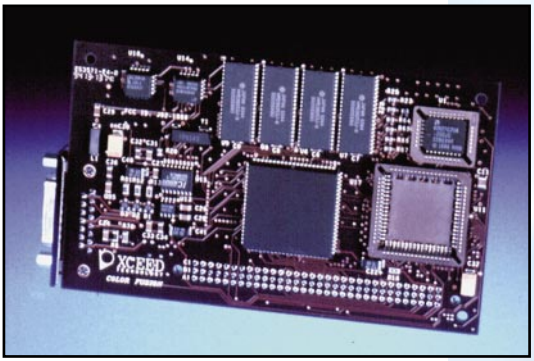
REQUIREMENTS

Compatible with the LC series or Performa series Macintosh (except Performa 600 and 6100), the Color Classic, the Quadra 605 or 630 with available PDS slot.

PRICING

$599.00 list price
Dealer inquiries welcomed.

Also available from Xceed Technology: SE/30 and IIsi 8-bit video cards and NuBus 8/24-bit video cards



Color Fusion,™ from Xceed Technology, is a unique new ***true color*** graphics card which allows you to add a larger monitor with more colors or shades of gray to your entry level Macintosh. Color Fusion will enhance the video capabilities of any Macintosh using the LC style PDS slot, including the new 630 family of low cost multimedia workstations, as well as, any LC/Performa series, Color Classic or Quadra 605 and 630.

Not only will Color Fusion allow you to work with larger monitors, you can also add a second monitor to your system, more than doubling your normal work space.

If you own an all-in-one Macintosh such as the Color Classic or LC/Performa 5xx series, you are no longer limited to the built-in 9" or 14" fixed screen. Color Fusion allows you to add a second 12" to 21" display to these systems. Your choice of monitors is virtually unlimited.

So what are you waiting for? It doesn't take an expensive high-end Macintosh to enter the world of ***big screen***, *photorealistic* color computing; Color Fusion makes it affordable, for owners of affordable Macintosh computers.

Even little Macs deserve big color!

XCEED TECHNOLOGY

XCEED TECHNOLOGY
48700 Structural Drive
Chesterfield, MI USA 48051
Orders: (800) XCEED-IT
Int'l: (810) 598-8030
Tel: (810) 598-8030
Fax: (810) 598-8008
AppleLink: XCEED
Internet: xceedtech@aol.com

ELP-3000 Data/Video Projection System

FEATURES

- Unsurpassed 250 lumens brightness
- Under 17 lbs., fits easily under plane seats or in overhead bins
- Remote control directs projector and Macintosh for interactive programs
- 3 panel LCD system for maximum clarity and quality

REQUIREMENTS

Color Macintosh (or PC) with monitor out. System 7 or later.

PRICING

$8999 suggested retail
Hi-bright screens and carrying cases optional; available at authorized EPSON ELP-3000 dealers.

The smallest, lightest, brightest projector in its class, the ELP-3000™ is the ideal solution for the travelling professional presenter. Full 24-bit color and 640 x 480 resolution support the most dynamic multimedia presentations. Built-in support of stereo sound and a complete separate input for video sources complete the solution. Universal power supply and support of PAL, SECAM and background colors.

EPSON®

EPSON AMERICA, INC.
20770 Madrona Avenue
Torrance, CA 90503
Orders: (800) BUY-EPSON

Tel: (310) 782-4000
Fax Back: (800) 922-8911
AppleLink: EPSON.MKTG

EPSON AMERICA, INC.

ES-1200C Pro Mac Color Flatbed Scanner

FEATURES

- 600 x 1200 dpi optical resolution
- 4800 dpi max interpolated resolution
- 30-bit internal, 24-bit external color
- Includes all cables and software
- Internal termination, push-button SCSI ID
- Bi-di parallel port also standard

REQUIREMENTS

Macintosh with SCSI interface; System 7; 8MB RAM recommended.

PRICING

$1499 suggested retail
Available through EPSON dealers and computer resellers throughout the U.S.

The ES-1200C™ Pro Mac received *MacUser's* coveted Editor's Choice Award for 1994. With 600 dpi optical resolution and 30-bit color support, it is the first scanner to bring professional scan quality at an affordable price. Bundled with full version Adobe Photoshop, Kai's PowerTools and Scantastic scanning software, the ES-1200C still leads as the best value in quality color scanners. Dual interfaces allow easy sharing between a Macintosh and PC.

EPSON®

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20770 Madrona Avenue
Torrance, CA 90503
Orders: (800) BUY-EPSON

Tel: (310) 782-4000
Fax Back: (800) 922-8911
AppleLink: EPSON.MKTG

ES-1000C Mac Color Flatbed Scanner

FEATURES

- 400 x 800 dpi optical resolution
- 3200 dpi max interpolated resolution
- 30-bit internal, 24-bit external color
- Bundled with Adobe Photoshop LE and Xerox TextBridge OCR software
- Bi-di parallel and SCSI ports for easy sharing

REQUIREMENTS

Macintosh with SCSI port; System 7; 8MB RAM recommended.

PRICING

$899 suggested retail
Available from EPSON dealers and computer retailers througout the U.S.

The latest solution from EPSON brings the award winning technology of the ES-1000C™ to the lowest price ever. 30-bit internal color recognizes over 1 billion colors, providing superior color reproduction at any resolution. A maximum resolution of 3200 dpi, makes even the finest details sharp. For OCR, it includes Text Enhancement Technology to remove unwanted "noise" and improve recognition accuracy.

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Fax Back: (800) 922-8911
AppleLink: EPSON.MKTG

EPSON AMERICA, INC.

EPSON Stylus COLOR Ink Jet Printer

FEATURES

- Proprietary 720 X 720 piezoelectric printing technology
- Latest printing enhancements with microweaving and micro-halftoning
- Versatile media types include transparencies
- Paper tray holds 100 sheets, envelopes to legal size

REQUIREMENTS

Color Macintosh; System 7; 8 MB RAM. 720 dpi printing requires special paper.

PRICING

$699 suggested retail
Available at computer dealers and other retailers throughout the U.S.

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REQUIREMENTS

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PRICING

Fast!SCSI MAC PCI-N: $395
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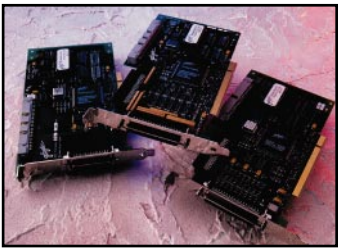

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Alps GlidePoint for the Macintosh

FEATURES

- Cursor control at the touch of a finger
- Replaces mouse or trackball
- Includes "Taps" for instant selection
- Very reliable—almost no moving parts
- Three programmable buttons
- Low power consumption
- Limited lifetime warranty

REQUIREMENTS

Available ADB port; System 6.04 or higher.

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Alps GlidePoint is the next generation in Macintosh pointing devices. Instead of rolling around a mouse or trackball, with Alps GlidePoint, you simply glide and tap. Just glide your finger over the GlidePoint surface to move the cursor. Then tap lightly to click, activate icons, press radio buttons or drop down menus. To double-click, tap twice lightly. Even installation is easy. Simply plug GlidePoint into your desktop Macintosh or PowerBook, and start gliding. If you want more control, use GlidePoint's control panel software to program all three buttons, change cursor speed, sensitivity and more.

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ServeView

FEATURES

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REQUIREMENTS

Any Macintosh computer

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PRICING

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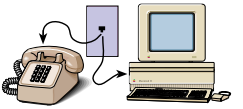

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The Presenter 575 adapter installs easily into the LC 575 creating a video output on the back of the computer, allowing the user to display the LC 575 screen onto an LCD panel or second monitor. The Presenter 575 may also be used to display the computer image onto a television when used with the Apple Presentation System. The Presenter 575 installs in minutes with no tools. The LC 575 PDS slot remains available for an additional card. The Presenter 575 has both D-15 (Macintosh) and HD-15 (VGA) connectors. PowerR also carries an adapter which supports the earlier models, LC 520 and LC 550. Price is $129.00

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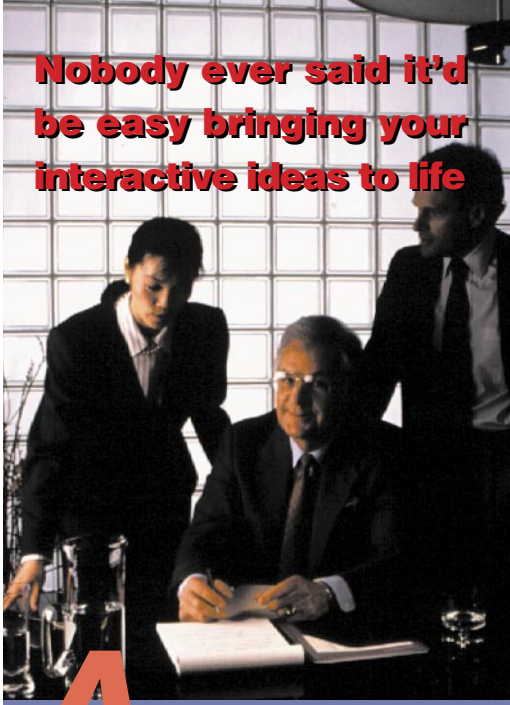

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Glenn Brown
July 1995
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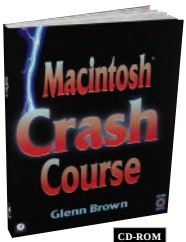
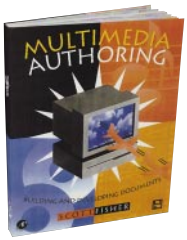
$29.95, ISBN: 0-12-135910-7



This book will show Macintosh power users what to do when things go wrong with their system. The book includes a CD-ROM with shareware and freeware to help the user diagnose and repair system failures.

MULTIMEDIA AUTHORING
Scott Fisher
Paperback/Disk, $34.95
ISBN: 0-12-257560-1



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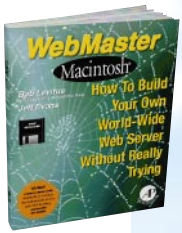

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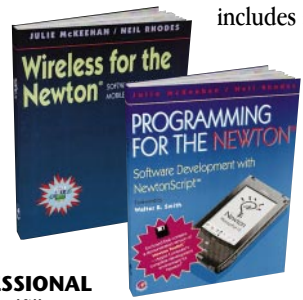

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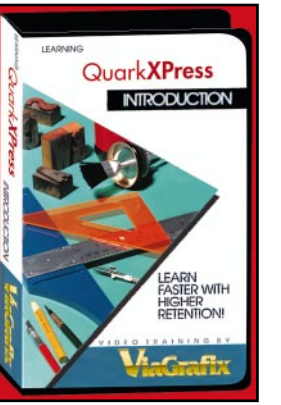

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