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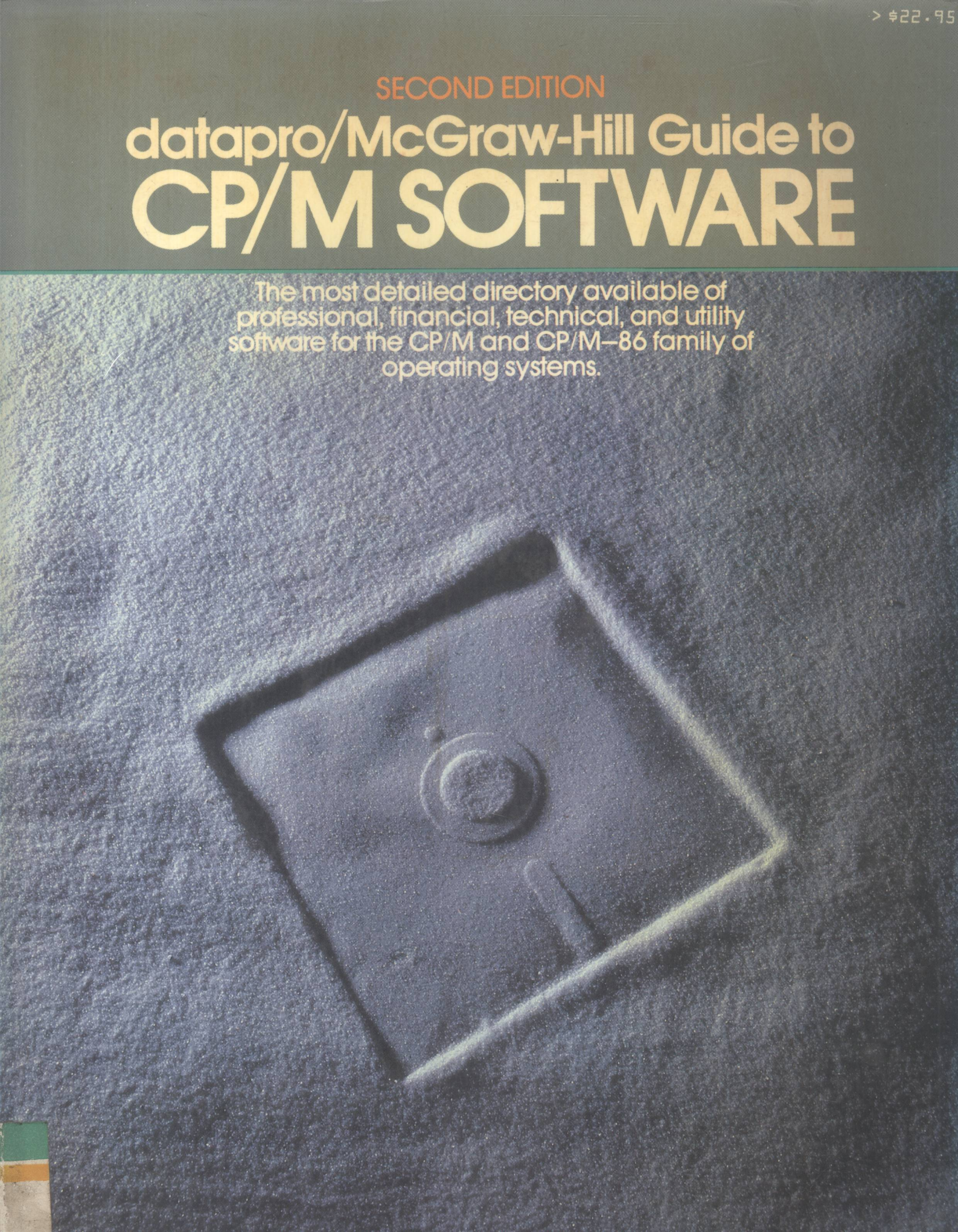
The most detailed directory available of professional, financial, technical, and utility software for the CP/M and CP/M–86 family of operating systems.



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datapro/McGraw-Hill Guide to
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datapro/McGraw-Hill Guide to CP/M Software, Second Edition

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- All About Personal Computer Software

- Who's Who in Microcomputing

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Introduction

Why a CP/M Software Guide?

Whether personal computers are to be used in the home, a small business, or in a large corporation, their buyers face the same challenges. All must determine what products are available, their applicability to a given problem, their reliability and performance characteristics, and the anticipated longevity of both the product and its supplier.

You might say these things are true of any purchase; and so they are. But few, if any other industries have ever created such a chaotic environment for the buyer. Conservatively, there are over 200 microcomputer models and 30,000 software packages available today—not all compatible with CP/M, however—and finding one that makes the most sense for you is no picnic.

That, of course, brings us to the reason we published this book: to guide you through the myriad of vendors, products, terms, prerequisites, and claims that make collecting information about individual software packages—and then, choosing the right one—so difficult, so time consuming, and so expensive.

Drawing upon the experience gained from 15 years of leadership in providing product information and guidance to the information processing, office automation, and telecommunications industries, the Datapro editors have compiled specific descriptions of software products, and their vendors, with the information essential to making solid selections. While there's no substitute for seeing your application run on your own computer with your own data, the information present here will take you on a high-speed, but safe, route to the final question: Will this product do exactly what I want it to do?

But, in personal computing, product information is not enough, because with many vendors it's "here today and gone tomorrow," and gone means no more support. So, we've included vendor information that will help you estimate the viability of each. You'll find facts about the size of the companies that produce the software, their age and general interests, as well as where they are and who manages them.

So, armed with the information in this book, you should be able to walk into any computer store, free from any other nagging concerns, and say: "Let's talk about how this particular software product will do my job."

About CP/M

If you have chosen this book because you already own or have decided upon a computer that supports CP/M, you probably don't need to read any further in this section, other than to note that a list of computers that support CP/M and its variations is provided as an appendix.

CP/M itself is a software product, but not one that provides direct help in solving application problems. Instead, it falls into the general category of "systems

software"; specifically, it is an "operating system." All general purpose computers employ operating systems to make life tolerable for applications programmers, systems programmers, and computer users. They relieve programmers and operators of the tedious, time consuming, and in nearly all cases, impossible tasks of organizing, directing, and coordinating all of the various components of the computer and the user's data as well. Operating systems have been compared to team managers, traffic cops, and orchestra conductors. All of these comparisons are true and they probably understate the importance of an operating system.

In many microcomputers, operating systems—unlike those associated with larger computers—perform another function. They provide a common denominator for computers of differing design that permits a single application program to run on a variety of computers irrespective of manufacturer. CP/M is presently one of the most well known of these operating systems, and for two good reasons: it was available early in the game, and it works. If you haven't selected your computer as yet and want to know if CP/M is available for any of your favorites, take a look at the appendix where we've included a list of those computers that it supports.

Using the Guide

The major components of the guide are:

1. Software Profiles
2. Vendor Profiles
3. Applications Index
4. Operating System Index
5. Product Index
6. Vendor Index
7. Appendix

Software Profiles. For your convenience, the Software Profiles are grouped by application (task performed), according to a system that has evolved from Datapro's interaction with computer users over a long period of time. All of the main and subcategories are presented in the table of contents. A review of these classifications will help you develop an effective research technique.

Because the classifications used are those of the information processing industry and, therefore, may not coincide with your own interpretations, please note that applications (Accounting), industries (Banking and Finance), and software (Programming Language Processors) all share equal weight.

This means that if you don't find the package you seek in one category, you should try a related category. For example, if you don't find a dental billing system under "Accounting," an application area, try "Medical and Health Care," an industry.

Within each application subcategory, the profiles appear in alphabetical sequence by product name.

Vendor Profiles. We recommend that once you have identified a package that interests you, you take a look at the description of the company that offers it. This step may help you choose between two or more products that meet your needs.

The financial status, or area of specialization, or maturity of a software product's producer can be the determining factor in choosing between similar products. The profiles are presented alphabetically by company name.

Applications Index. As mentioned above, it is not always clear where to look for specialized software such as a dental billing system. The Applications Index lists each of the applications areas followed by the names of all of the products in that area, enabling you to quickly scan the various categories.

Operating System Index. CP/M is available in a number of different versions—CP/M, CP/M-86, CP/Net, MP/M, and MP/M-86. Not all software products will run under every version, so we have included an index that lists each version followed by the products designed to run under it. If, however, a product you are interested in isn't listed under the CP/M version you are using, you should ask the vendor or a software retailer whether the product can run under your version. By the time you ask, the answer may be "yes" because the market is changing so rapidly.

Product Index. Although the software products are presented alphabetically by product name within each application subcategory, we've added a straight product name index to take you directly to the package you want if you already have its name.

Vendor Index. Very often, you will know who produced a package, but yet be uncertain of its exact name. In these cases, the Vendor Index will help, because all of the products included for a particular vendor are arranged under the vendor's name.

Appendix: CP/M-Based Microcomputers. If you want to know whether a particular computer you have in mind supports CP/M, you will find the answer here.

About Datapro

Datapro was founded in 1968 to do research for the computer industry. In 1970, the Company introduced its first continuously updated product information service, *Datapro 70—the EDP buyers bible.* Soon thereafter, it began to extend its services to include tutorial and "how to" information as well.

During the same period, the company extended the scope of its looseleaf publishing operations to match the expansion of the information processing industry, and they embraced the developing office automation and telecommunications industries as well. Today, Datapro is the leading worldwide supplier of looseleaf information services to the above industries, and it is highly respected by vendors, users, and consultants alike.

The looseleaf information series, which forms the core of Datapro's database consists of 25 individual services. Of these, four are devoted to microcomputing. It is from this subset that the information in this book was selected. As this name indicates, looseleaf services provide continuously updated information to subscribers by housing a base file in looseleaf form and updating it with new and replacement pages through periodic, usually monthly, supplements. The need for even more timely information is satisfied by including a newsletter in each supplement and supporting both with a mail and telephone inquiry feature to provide individual service.

Other Datapro services include an extensive library of special reports on selected topics, a seminar program, and a custom consulting service. The information in the database is also available on-line through the facilities of Data Resources Inc., a sister company within the McGraw-Hill organization.

Datapro Information Services

Independent, timely and accurate reports on the products and technologies of today's dynamic information processing industry.

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The world's most popular EDP information service. Used by EDP professionals in nearly 10,000 installations worldwide. The first complete, comprehensive reference service describing the broad base of EDP hardware, software, services and suppliers.

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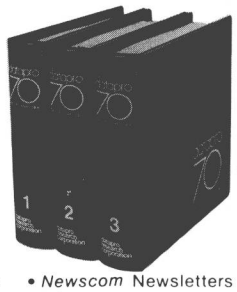
- Data Entry
- Graphics I/O
- Memory & Storage
- Printers/Com
- Software
- Data Communications
- Directory of Suppliers
- Product Comparison Tables
- User Ratings
- In-depth Product Profiles
- *Newscom* Newsletters



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Incisive reports and commentary on all aspects of the dynamic minicomputer, microcomputer, and microprocessor industries. With the continued and rapid evolution of micro-mini technology, this is a vital tool for DP professionals in every segment of the industry.

- Minicomputers
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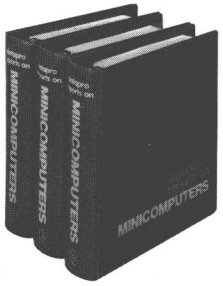
- Microcomputers
- Personal Computers
- Magnetic Tape Units
- Software
- Directory of Vendors
- Product Comparison Tables
- User Ratings
- In-depth Product Profiles
- *Mininews* Newsletters



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This directory service from Datapro provides objective, uniformly written software product profiles to help you compare and select the most effective packages for your mainframe and minicomputer applications needs.

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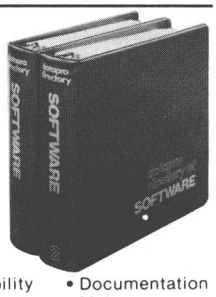
- Hardware /Operating System Requirements
- Monthly Supplements and New Listings
- Source Code and Source Language Availability
- *Software News* Newsletters
- Documentation Maintenance



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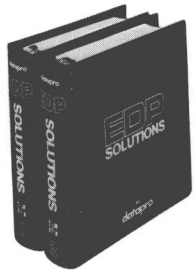

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Essential for today's information system managers, this service spells out hundreds of proven, cost-saving answers to the problems of managing, designing, and producing software.

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- Selection and Acquisition of Commercially Available Packages
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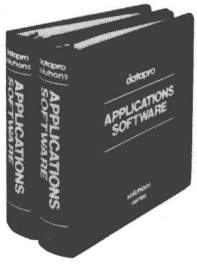
- Performance Measurement
- Reliability and Vendor Support
- Cost-Effective Maintenance and Revision
- Future Systems
- Standards
- User Ratings
- Directories of Commercial Packages, Vendors and Suppliers, User Groups, Trade Associations, and Consultants
- Glossary
- *Newsbriefs* Newsletters



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- MONTHLY SUPPLEMENTS—100-odd pages of new product profiles, updated prices and specs, new feature reports, and other data—while it's fresh.

- DETAILS BY PHONE OR MAIL. The contents of our entire reference library are yours for the asking—via a call to our customer service consultants. Whatever your information need, you can ask Datapro.

- NEWS OF YOUR INDUSTRY. Every month, Datapro analysts give you their interpretation of current industry events in concise newsletter format . . . Causes, effects and implications are analyzed.

Microcomputers

DATAPRO DIRECTORY OF
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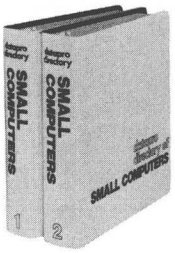
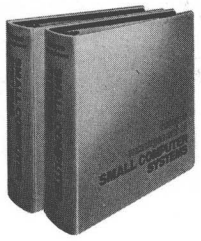


This directory service provides more than 200 computer system descriptions to help you identify cost-effective small computer systems by company specifications and prices. Each description also includes listings of related peripherals, software, and services. Make your buying decisions based on actual product user ratings and on the latest product information.

- Computer System Descriptions
- Company Profiles
- Applications Index
- Computer Concepts, Advice, Guidelines, and Glossary of Terms
- Directories of Vendors, Sales Outlets, and User Groups, Clubs, and Associations
- User Ratings
- *Small Computer News* Newsletters

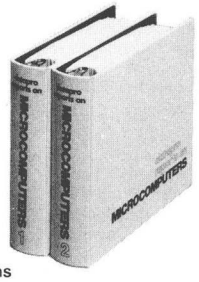
DATAPRO MANAGEMENT OF
SMALL COMPUTER SYSTEMS



Provides virtually everything the information processing manager or new computer user needs to know about small systems and their application. Over 1,000 fact-filled pages in an easy-to-use format give you guidelines, equipment and software ratings, vendor listings, examples, and much more that you'll refer to almost daily.

- Basic Computer System Hardware, Software, and Communications Concepts
- Basic Data Processing Concepts
- Data Processing Applications
- Software Development
- Management and Administration
- Future Systems and Trends
- Guides to Vendors and Products
- User Ratings
- Glossary
- Newsletters

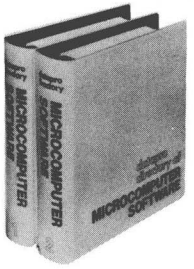
DATAPRO REPORTS ON
MICROCOMPUTERS



This two-volume set provides all the essential information you need to understand, select, and keep aware of microcomputers for your organization. It is an ideal tool for today's EDP professional who needs to have the best and latest information available, organized to quickly provide the elusive facts needed to insure the best small computer system, peripheral, software, and communications decisions.

- User Ratings
- Systems
- Monitors
- Printers
- Expansion Cards
- Mass Storage
- Software
- Communications
- Price Lists
- Management Summaries
- Detailed Characteristics
- User Reaction Section
- Advantages and Restrictions
- Competitive Position
- Side-by-Side Product Comparisons
- *Microcomputer News* Newsletters

DATAPRO DIRECTORY OF
MICROCOMPUTER SOFTWARE



This directory service provides descriptions of more than 3,000 software products for microcomputers and descriptions of more than 1000 companies involved in the development and marketing of microcomputer software. This information is completely cross referenced by four directories organized by application, product name, vendor/product name, and computer system supported.

- Software Product Descriptions
- Software Price Lists
- User Ratings
- Vendor Profiles
- Applications Index
- Product Name Index
- Vendor/Product Index
- Computer System Index
- Reports on How to Select, Acquire and Evaluate Software
- *Microcomputer Software News*

Office Automation

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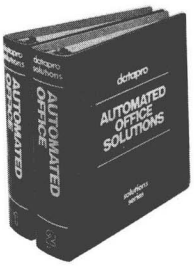
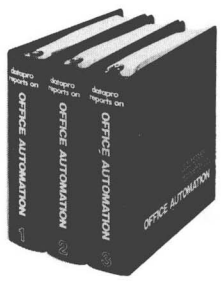
AUTOMATED OFFICE SOLUTIONS



Shows how to plan for and capitalize on the transition to an automated office. A solutions-oriented reference to today's automated office methods, equipment and technologies for EDP and office management.

- The Current Office Overview
- Evolving the Office of the Future
- The Transition to Automation
- Office Systems Development
- Equipment Evaluation and Selection
- Financial/Legal Management
- Personnel Management
- Facilities Management
- Operations Management
- Systems Management
- Automated Office Software
- Consultants and Supplies
- Glossary
- *Newsbriefs* Newsletters

DATAPRO REPORTS ON
OFFICE AUTOMATION



This member of Datapro's information service family takes the mystery out of the future, and shows you what products may be right (or wrong) for your office today. Detailed information on the full spectrum of office products, systems, techniques and companies, including product comparison tables, user ratings, and in-depth product profiles.

- Word Processing Systems & Electronic Typewriters
- Dictation
- Telephone & Voice Communications
- Facsimile
- Data Processing
- Office Facilities
- Forms & Supplies
- *OfficeNews* Newsletters
- Integrated Office Systems
- Microcomputers
- Executive/Professional Workstations
- Electronic Copier/Printers
- Office Automation Software
- Covers the full spectrum of office products up to and including integrated office systems
- Can be used to compare systems when making a purchase decision
- Can be used as a reference tool to keep pace with changes in the marketplace
- Can be used as a training tool
- Contains overviews of various technology areas, as well as product comparison tables, in-depth reports on individual products and user ratings

DATAPRO REPORTS ON
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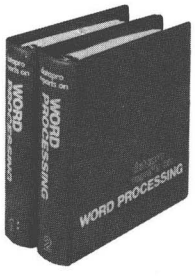

Practical information and guidelines to help you maximize the benefits offered by the newest WP systems, products, and services. Product comparison tables in-depth product profiles, and user ratings to help you minimize cost and risk in WP planning, evaluation, selection and implementation.

- Concepts and Planning
- Word Processing Systems
- Time-Shared Word Processing Services
- Word Processing Software
- Auxiliary Equipment and Systems
- Dictation Systems
- Industry Applications
- Electronic Typewriters
- Integrated Office Systems
- Communicating Word Processors and Electronic Mail
- Composition Systems
- *Word Processing News* Newsletters
- Company Directories and Profiles
- Word Processing Supplies

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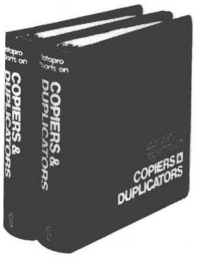
COPIERS AND DUPLICATORS



Over 100 up-to-date product reports to help you select the most cost-effective copying and duplicating equipment. Product comparison tables, user ratings, in-depth product reports, and "how to" hints that will save you time and money on office reproduction equipment.

- Concepts and Planning
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- Duplicators
- Copy/Duplicating Systems
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- Auxiliary Equipment & Systems
- Glossary and Standards
- *Office Copier News* Newsletters
- Copier/Duplicator Supplies

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- Communications Processors
- Communications Switches
- Communications Software
- Distributed Processing Systems
- Intelligent Terminals
- Display Terminals
- Teleprinters
- Transmission Facilities
- Modems
- Multiplexers
- Test, Monitor, and Control Equipment
- Automated Office Systems
- Telephone Systems
- Remote Computing Services
- Speech Technology Equipment
- Directories of Suppliers and Consultants
- *Datalink* Newsletters

DATAPRO REPORTS ON
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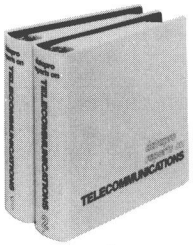
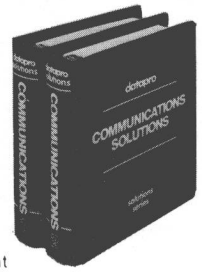


A complete, single source of information on telecommunication systems, products, and services. Over 1,000 pages designed to facilitate your decision making process and keep you fully abreast of the fast-changing trends in telecommunications technology. Includes management overviews, user ratings, product comparison tables, and in-depth product profiles.

- Glossary
- Telecommunications Management Concepts
- Telephone Systems
- Telephone Management Systems
- Automatic Call Distribution Systems
- Auxiliary Telephone Equipment
- Facsimile
- Telecommunications Software
- Communications Facilities Concepts, Planning, and Design
- Commercially Available Switched and Non-Switched Facilities
- Management Briefings on Data Communications and Electronic Office Systems
- Directories of Suppliers and Consultants
- *Telenews* Newsletters

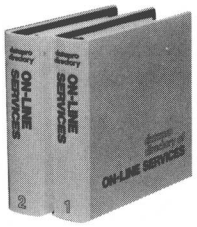
DATAPRO
COMMUNICATIONS SOLUTIONS



Gives you hundreds of problem/solution reports. Virtually everything you need to know about communications: What alternatives are available for your situation, what methods you can use to plan and implement them, and what procedures can make them efficient.

- Reports on Local Area Networking, Public Data Networks, Distributed Processing, Network Management, Teleconferencing
- Basic Concepts
- System Components
- Planning
- System Design
- Selection and Acquisition
- Installation and Maintenance
- Operations Management
- Systems Management
- Future Systems
- Standards and Protocols
- Vendors, Suppliers, and Consultants
- Glossary
- *Newsbriefs* Newsletters

DATAPRO DIRECTORY OF
ON-LINE SERVICES



Save time and money locating, evaluating, and selecting on-line services and databases with this authoritative directory service from Datapro. Over 100 on-line services, described in detail, enable you to quickly determine each vendor's resources and facilities, applications emphasis, terminals supported, line speeds offered, documentation, technical support, training, and more.

Over 800 database profiles, coded by applications area, allow you to review available offerings easily and to evaluate database descriptions, scope of coverage, frequency of update, usage, conditions, and prices.

- General Index
- Applications Index
- Database Index
- Company Index
- Vendor Office Locations (Alphabetically and geographically)
- User's Guide
- Inquiry Service
- On-line Services Reports
- Company Profiles
- Vendor Profiles
- On-line Databases
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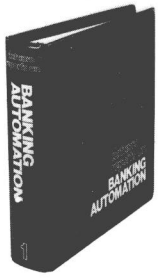
- Feature Reports
- Glossary
- *On-Line Services News* Newsletters

- User Ratings inform you of what users think of their on-line services and will greatly assist you in making your evaluation and eventual decision.

Industry Automation

DATAPRO REPORTS ON
BANKING AUTOMATION

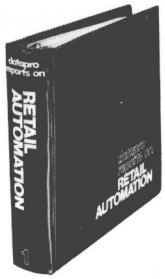


Designed specifically to provide banks and thrift companies with an authoritative and up-to-date information service about the uniquely automated systems that are so dynamically changing this business segment. A must for today's progressive banker.

- Banking Automation and the Mainframe Vendors
- Voice Response
- Plastic Card Technology
- Telephone Bill Paying Systems
- Teller Terminals
- EFTS Equipment
- Automated Tellers
- MICR Equipment
- Credit Authorization
- Specialized Equipment
- Applications Software
- Directory of Vendors
- *Banknews* Newsletters

One volume, updated bimonthly.

DATAPRO REPORTS ON
RETAIL AUTOMATION



Complete information on current automation equipment for the retail industry. Contains over 400 pages of detailed reports and comparison tables. Essential for buyers, product planners, merchandisers, specifiers, marketers, systems designers and others.

- Integrated POS Systems
- Electronic Cash Registers
- Credit and Payment Systems
- Specialized Equipment
- Directory of Vendors
- Specialized Industry Systems
- Applications Overview
- Software and Services
- *Retailnews* Newsletters

Here are a few of the benefits that make a Datapro subscription so important

- Eliminate costly mistakes in production selection
- Control costs by improving fit of products to specific needs
- Cost-optimize EDP and office functions
- Out-pace the competition by keeping in touch with industry trends
- Aid system planning by surer selection of components
- Increase current awareness

Here are a few of the features that make Datapro information so valuable

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- Detailed Product Comparison Charts
- Current, Comprehensive Pricing Data
- Photographic Product Coverage
- Highlights of Product Operation
- Cross Reference Between Reports
- Users Ratings of Products
- Directory of Suppliers
- Continual Monthly Updating
- Product Perspective and History
- Management Level Presentations

Here are just a few of the areas where thousands of users are putting Datapro's services to effective use

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- Management Information Systems
- Corporate Planning
- Systems and Procedures
- Research and Development
- Data and Voice Communications
- Purchasing
- Engineering
- Accounting
- Administration
- Marketing
- Manufacturing
- Competitive Analysis
- Market Research
- Product Planning

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Information that leads to action

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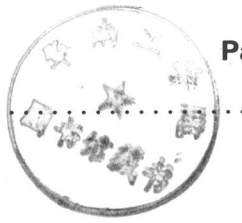
CONTENTS



Page

Introduction ix

Product Profiles

Accounting
- Accounts Payable 1
- Accounts Receivable 7
- Integrated Accounting Systems 15
- Client Accounting & Time Management 21
- General Ledger 28
- Special Applications Accounting Systems 36
- Job Costing/Contractor Information Systems 39
- Tax Accounting 45
- Miscellaneous Accounting 49
  - Billing 49
  - Others 51

Banking and Finance
- Asset/Liability Management 56
- Demand Deposit/Check Processing 56
- Financial Control/Planning 56
- Investment Management 58
- Loan Accounting 61
- Mortgage Accounting and Processing Systems 62
- Savings/Time Deposits 62
- Miscellaneous Banking and Finance 63
  - Credit Union 63
  - Others 63

Data Communications
- Communications Monitors 65
- Emulation Programs 70
- Terminal Support Programs 72
- Transaction Processors 72
- Electronic Mail & Message Systems 72
- Miscellaneous Data Communications 72
  - Distributed Data Processing (DDP) 72
  - File Transmission Utilities 73

Data Management and Database Management
- Accessing and Indexing Techniques 74
- Data Dictionaries 75
- Database Management Systems 75
- File Management/Data Management 84
- Protection & Security 92
- Storage and Retrieval 93
- Miscellaneous Data Management and Database Management 94
  - Data Entry 94
  - Specialized Storage & Retrieval 94
  - Others 95

Education
- Administrative Business Information Systems 97
- Authoring Systems 97
- Computer Assisted Instruction 97

Computer Training 97
Student Administration & Scheduling 98

Energy Conservation and Management
Energy Management 99

Engineering and Scientific
Architecture 101
Electrical/Electronic Engineering 101
Pipeline Networks/Flow Analysis 103
Civil Engineering 105
Miscellaneous Engineering & Scientific 109

Government
Government Accounting 110
Law Enforcement 110
Property Assessment 111
Utility Billing 111

Graphics
Business Graphics 113
Engineering and Scientific Graphics 117

Insurance
Finance/Accounting 119
Independent Agents and Brokers 119
Life and Health Insurance 120
Property and Liability Insurance 120
Miscellaneous Insurance 121
Others 121

Legal
Court Decisions Research 122
Legal Time and Billing Management 122
Miscellaneous Legal 125

Management Sciences
Modeling, Simulation, and Forecasting 126
Project Planning and Control 128
Electronic Spreadsheets 130

Manufacturing
Bill of Materials Processing 137
Job Cost Accounting & Control 138
Manufacturing Information & Financial Systems 139
Material Requirements Planning (MRP) 140
Order Entry/Inventory Management 142
Production Scheduling & Control 144
Purchasing 145
Specialized Applications 145
Miscellaneous Manufacturing 146
Plant/Equipment Maintenance 147
Others 147

Mathematics and Statistics
Mathematics 148
Statistics 148

Media (Publishing/Broadcasting)
Job Estimating & Cost Management Systems 152

Phototypesetting Systems 152
Publishing Data & Management Systems 152
Miscellaneous Media 152

Medical and Health Care
Medical/Dental Office Management Systems 154
Patient Accounting 161
Pharmacy Management 163
Miscellaneous Medical and Health Care 163
Nursing Home Management & Accounting 163
Others 163

Payroll and Personnel
Employee Benefit & Personnel Systems 165
Pension Plan Management 167
Payroll 167

Programming Language Processors
APL 179
Assemblers 179
Basic Compilers 184
C Compilers 185
Cobol Compilers 186
Fortran Compilers 187
Pascal Compilers 188
PL/1 189
Forth 189
Special Purpose Programming Language Processors 191

Programming Aids
Application Program Development Aids 194
Conversion Aids 196
Cross Reference Lists 196
Preprocessors & Program Generators 197
Screen Formatting 198
Test & Debugging Aids 200
Translators 201

Sales and Distribution
Distributor Information Systems 202
Food & Beverage Systems 202
Order Processing/Inventory Management 203
Purchase Order Processing 208
Sales Accounting, Analysis & Management 208
Manufacturer's/Sales Representive Systems 210
Miscellaneous Sales and Distribution 212
Retail Information Systems 212
Travel 212

System Programs
Operating Systems/Control Programs 214
Operating System Enhancements 214

Transportation 216

Utility Programs
Copy/Dump/Restore 217
Diagnostic Aids 218
Report Writers 218

Sort/Merge Programs 219
Spooling Programs 220
System Security 221
Text/File Editors 221
Miscellaneous Utility Programs 222
Multi-purpose Utilities 222
Others 223

Word Processing and Text Editing
Compositional Typesetting 225
Direct Mail Systems 225
Appointment Management Systems 228
Integrated Office Administration 229
Message Handling Systems 229
Proofreading Systems 229
Text Editing 231
Word Processing 234

Miscellaneous Products
Other Applications 239
Real Estate 240
Property Management Systems 244
Agribusiness Management Systems 246
Personal Finance Management 251

Vendor Profiles 253

Applications Index 323

Operating System Index 339

Product Index 355

Vendor Index 369

Appendix: CP/M-Based Microcomputers 385

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