

MICROSOFT PRESS®

COMPUTER DICTIONARY



THE COMPREHENSIVE
STANDARD FOR
BUSINESS, SCHOOL,
LIBRARY, AND HOME

Microsoft
P R E S S

PUBLISHED BY
Microsoft Press
A Division of Microsoft Corporation
One Microsoft Way
Redmond, Washington 98052-6399

Copyright © 1991 by Microsoft Press, a division of Microsoft Corporation.

All rights reserved. No part of the contents of this book may be reproduced or transmitted in any form or by any means without the written permission of the publisher.

Library of Congress Cataloging-in-Publication Data
Microsoft Press computer dictionary : the comprehensive standard for business, school, library, and home.

p. cm.
ISBN 1-55615-231-0
1. Computers--Dictionaries. 2. Microcomputers--Dictionaries.
I. Microsoft Press.

QA76.15.M54 1991
004.16'03--dc20

91-9904
CIP

Printed and bound in the United States of America.

5 6 7 8 9 MLML 6 5 4 3 2

Distributed to the book trade in Canada by Macmillan of Canada, a division of Canada Publishing Corporation.

Distributed to the book trade outside the United States and Canada by Penguin Books Ltd.

Penguin Books Ltd., Harmondsworth, Middlesex, England
Penguin Books Australia Ltd., Ringwood, Victoria, Australia
Penguin Books N.Z. Ltd., 182-190 Wairau Road, Auckland 10, New Zealand
British Cataloging-in-Publication Data available.

Acquisitions Editor: Marjorie Schlaikjer
Project Editor: Mary Ann Jones
Technical Editors: David Rygmyr, Jeff Hinsch, Mary DeJong, Dail Magee, Jr.
Manuscript Editor: Pamela Beason
Copy Editor: Alice Copp Smith

INTRODUCTION

The *Microsoft Press Computer Dictionary* is designed to be a comprehensive and authoritative source of definitions for computer-related terms and acronyms. Written and reviewed by a distinguished team of experts from the computer industry and the business and academic communities, the dictionary includes terms drawn from a wide variety of disciplines:

Applications	History
Communications	Information Processing
Data and Data Storage	General Computing
Databases	Input/Output
Desktop Publishing	Memory and Memory Management
Electronics	Networks
Hardware	Output
Chips, Cards, and Boards	Print
Computers	Screen
Disks, Drives, and Other Media	Programming
Keyboards	Systems and Environments
Printers and Plotters	
Video	
Other Devices	

Although the book covers nearly every aspect of computing, it does not include entries on specific companies or on specific makes and models of computers, nor does it contain entries on most application software products, although some key products of universal importance are covered.

Order of Presentation

Entries are alphabetized letter by letter. Spaces are ignored, as are characters such as hyphens and slashes; for example, *Baudot code* falls between *baud* and *baud rate*, and *machine-independent* falls between *machine identification* and *machine instruction*. Numbers and symbols are located at the beginning of the book and are listed in ascending ASCII order. If an entry begins with a letter or letters but contains a number, it is listed alphabetically, according to the initial letter(s), and then according to ASCII order. Thus, *V20* precedes *V.2x*, and both precede *VAB*.

Format

Information in each entry is presented in a consistent format: entry name, abbreviation, pronunciation (if supplied), alternative name or names, definition, and cross-references (if any).

Phonetic pronunciations are given where appropriate or in cases where pronunciation might not be apparent. If an acronym is pronounced simply by saying the successive letters it contains, no pronunciation is given.

Cross-references are of three kinds: A *See* reference simply points to another entry that contains the information sought; a *See also* reference points to one or more entries that contain additional or supplemental information about the topic; and a *Compare* reference points to an entry or entries that offer contrast.

Illustrations are called out in the text. In most cases, illustrations appear on the same page as the entries to which they apply. In some instances, however, page-layout requirements have forced them to a subsequent page. In any event, the caption of each illustration identifies the entry to which it belongs.

Future Printings and Editions

Every effort has been made to ensure the accuracy and completeness of this book. If you find an error, think that an entry does not contain enough information, or seek an entry that does not appear in this edition, please let us know. Address your letter to: Microsoft Press, One Microsoft Way, Redmond, WA 98052, *Attention: Dictionary Editor*.



equipment, programs, activities, and procedures to determine how efficiently the entire system is performing, especially in terms of ensuring the integrity and security of data.

audit trail In relation to computers, a means of tracing all activities affecting a piece of information such as a data record from the time it enters the system to the time it leaves. An audit trail documents the path from input to output and should provide enough information to reconstruct or verify the entire sequence, either manually or through automated tracking procedures. For example, when several people are working on a document in a networked environment, an audit trail makes it possible to know who made a particular change and when, or even to see the document before and after that person's changes.

authoring language A computer language or application development system designed primarily for creating programs, databases, and materials for computer-aided instruction (CAI). The best-known example in the microcomputer world is PILOT, developed originally at the University of California, San Francisco, which is a language used to create lessons.

authoring system A combination of hardware and software designed to ease the tasks involved in producing interactive programs. *See also* authoring language, interactive program.

authorization In relation to computers, especially to remote computers on a network open to more than one person, the right granted to an individual to use the system and the data stored on it. Authorization is typically set up by a system administrator and checked and cleared by the computer, which requires that the user provide some type of identification, such as a code number or a password, that the machine can verify against its internal records. The terms *permission* and *privilege* are synonymous with *authorization*. *See also* network, system administrator.

authorization code *See* password.

auto answer The ability of a modem to answer incoming telephone calls automatically. *See also* answer mode.

auto dial The ability of a modem to open a tele-

phone line and initiate a call by transmitting a stored telephone number as a series of pulses or tones.

AUTOEXEC.BAT A special-purpose batch file (set of commands) that is automatically carried out by the MS-DOS operating system whenever the computer is started or restarted. AUTOEXEC.BAT is created by the user or, in later versions of MS-DOS, by the operating system when the system is installed. The file contains basic startup commands that help configure (tailor) the system to installed devices and to the preferences of the user.

auto-key *See* typematic.

automata theory The study of computing processes, their capabilities, and their limitations—the manner in which systems receive input, process it, and produce output; also, the study of the relationship between behavioral theories and the operation and use of automated devices. *See also* cellular automata.

automated office A rather vague term used to refer to an office in which work is performed with the aid of computers, telecommunications facilities, and other electronic devices.

automatic answering *See* auto answer.

automatic data processing *See* data processing.

automatic dialing *See* auto dial.

automatic error correction A process that, upon detection of an internal processing error or a data-transmission error, invokes and provides information to an appropriate routine designed to correct the error or retry the operation.

Automatic Sequence Controlled Calculator *See* Mark I.

automonitor A process or system feature capable of continually assessing the status of its own internal environment.

autopolling Also called polling. The process of periodically determining the status of each device in a set so that the active program can process events generated through each device. The process is used to determine the status of a range of events, such as whether a key or a mouse button was pressed or whether new data is available at a serial port. Autopolling can be compared with event-driven processing, in which a low-level routine in

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.