MICROSÓFT PRESS® COMPUTER DICTIONARY

SECOND EDITION

IPDATED, WITH NEW DEFINITIONS AND

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

Microsoft

Find authenticated court documents without watermarks at docketalarm.com.

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

Copyright © 1994 by Microsoft Press

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 / Microsoft Press. -- 2nd ed.

p. cm. ISBN 1-55615-597-2
1. Computers--Dictionaries. 2. Microcomputers--Dictionaries.
I. Microsoft Press. II. Title: Computer dictionary. QA76.15.M54 1993
004'.03--dc20 computer dictionary.

93-29868 CIP

Printed and bound in the United States of America.

456789 MLML 98765

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.

Project Editor: Casey D. Doyle **Manuscript Editor:** Alice Copp Smith **Technical Editors:** Mary DeJong, Jeff Carey, Dail Magee, Jr., Jim Fuchs, Seth McEvoy



1

Find authenticated court documents without watermarks at docketalarm.com.

CONTENTS

Introduction

vii

Dictionary of Computer Terms

1

Appendix A: ASCII Character Set 425

Appendix B: IBM Extended Character Set 427

Appendix C: Apple Macintosh Extended Character Set 428

Appendix D: EBCDIC Character Set

431

Appendix E: Numeric Equivalents

437

Find authenticated court documents without watermarks at docketalarm.com.

DOCKE

м

Δ



cell In spreadsheet terminology, the intersection of a row and a column. Each row and column in a spreadsheet is unique, so each cell can be uniquely identified—for example, cell B17, at the intersection of column B and row 17. Each cell is displayed as a rectangular space that can hold text, a value, or a formula. See the illustration. Similarly, although less familiarly, a cell is an addressable (named or numbered) storage unit for information. A binary cell, for example, is a storage unit that can hold 1 bit of information—that is, it can be either on or off.

				WIDGET.XLS			
	A	8	C	D	E	F	
	8	·					
2		Performance	Reliability	Warranty	Ease of Use	Value	
3	Product A	3	4	4	2	3	
4	Product B	3	5	3	4	4	
5	Product C	5	3	3	5	3	
6							
7							
8							
•			1	1	1		
					Cell		

Cell.

DOCKE

- **cellular automata** In computer science, theoretical models of parallel computers. They enable the investigation of parallel computers without the need to actually build them. The cellular automaton is composed of a network of multiple cells, each representing a processor in the parallel computer. The cells must be identical, and they must have a finite amount of available memory. Each cell outputs a value calculated from the input values it receives from its neighboring cells, and all cells output their values simultaneously.
- **center** To align characters around a point located in the middle of a line, page, or other defined area; in effect, to place text an equal distance from each margin or border. *See also* align.
- **centi-** Prefix meaning "one hundred" or, more usually, "one hundredth," as in *centimeter*—one hundredth of a meter.
- **centralized processing** The location of computer processing facilities and operations in a single (centralized) place. *Compare* decentralized processing, distributed processing.

- **central office** In communications, the switching center where interconnections between customers' communications lines are made.
- central processing unit Abbreviated CPU. The computational and control unit of a computer; the device that interprets and executes instructions. Mainframes and early minicomputers contained circuit boards full of integrated circuits that implemented the central processing unit. Single-chip central processing units, called microprocessors, made possible personal computers and workstations. Examples of single-chip CPUs are the Motorola 68000, 68020, and 68030 chips and the Intel 8080, 8086, 80286, 80386, and i486 chips. The CPU-or microprocessor, in the case of a microcomputer-has the ability to fetch, decode, and execute instructions and to transfer information to and from other resources over the computer's main data-transfer path, the bus. By definition, the CPU is the chip that functions as the "brain" of a computer. In some instances, however, the term encompasses both the processor and the computer's memory or, even more broadly, the main computer console (as opposed to peripheral equipment). See also microprocessor.
- **Centronics parallel interface** A de facto standard for parallel data exchange paths between computers and peripherals, originally developed by the printer manufacturer Centronics, Inc. The Centronics parallel interface provides eight parallel data lines plus additional lines for control and status information.
- **CGA** Acronym for Color/Graphics Adapter, a video adapter board introduced by IBM in 1981. The CGA is capable of several character and graphics modes, including character modes of 40 or 80 horizontal characters (columns) by 25 vertical lines with 16 colors, and graphics modes of 640 horizontal pixels by 200 vertical pixels with 2 colors, or 320 horizontal pixels by 200 vertical pixels with 4 colors. *See also* graphics adapter, video adapter.

CGI See Computer Graphics Interface.

CGM See Computer Graphics Metafile.

chad The paper removed when a hole is punched

69

Find authenticated court documents without watermarks at docketalarm.com.

damping

- **damping** A technique for preventing overshoot (exceeding the desired limit) in the response of a circuit or device. An amplifier circuit, for example, might contain components that damp the output, preventing it from exceeding a critical level.
- **Darlington circuit** Sometimes called a Darlington pair. An amplifer circuit consisting of two transistors, often mounted in the same housing. The collectors of the two transistors are connected, and the emitter of the first is connected to the base of the second. Darlington circuits are used to provide high-gain current amplification.

Darlington pair See Darlington circuit.

- **DASD** Sometimes pronounced "dazz-dee." Acronym for direct access storage device, a data storage device on which information can be accessed directly, rather than by starting at the beginning of the data and passing sequentially over all intervening storage areas. Thus, a disk drive is a DASD unit. A tape is not a DASD unit because the data is stored as a linear block. *Compare* sequential access; *see also* direct access.
- **DAT** *See* digital audio tape, dynamic address translation.
- **data** Plural of the Latin *datum*, meaning an item of information. Following classical usage, one item of information should be called a datum, and more than one item should be called data: "The datum is," but "the data are." In practice, however, *data* is frequently used for the singular as well as the plural form of the noun. *Compare* information.
- **data acquisition** The process of obtaining data from another source, typically one outside the system. It can be done by electronic sensing, as in process control or communications, or through data terminal input, as in online transaction processing, or from some magnetic medium, as in batch database processing.
- **data aggregate** A collection of data records or blocks that typically includes a description of the placement of each block within the collection and its relationship to the entire set.
- **data attribute** Structural information about data that serves to establish its context and give mean-

DOCKE

ing to it. The term is also used to refer to descriptive structural information about a data field in a record.

- **data bank** A repository of data; any substantial collection of data.
- **database** Loosely, any aggregation of data; a file consisting of a number of records (or tables), each of which is constructed of fields (columns) of a particular type, together with a collection of operations that facilitate searching, sorting, recombination, and similar activities.
- **database administrator** Abbreviated DBA. The individual or group of individuals responsible for a database. Typically, the DBA is responsible for determining the information content of the database; determining the internal storage structure and access strategy for the database; defining data security and integrity checks; and monitoring database performance and responding to changing requirements.
- **database analyst** An individual who provides the analytic functions required to design and/or maintain applications requiring use of a database. The functions performed by a database analyst are, in a database context, much like the functions performed by a systems analyst in a programming context.
- **database designer** An individual who provides the design and implementation functions required to implement and/or maintain applications that use a database. The functions performed are, in a database context, much like the functions performed by a programmer in a programming context.
- **database engine** The program module or modules that provide access to the functions of a database management system (DBMS). A database engine is used as an interface between the data manipulation language (DML) or programs written in conventional programming languages and the functions supported by the DBMS.
- **database machine** A computer peripheral device that, from the viewpoint of the computer, directly executes database-related tasks, relieving the main computer of the execution of these tasks. Database machines can be attached to the computer

105

DOCKET A L A R M



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.