

EXHIBIT 12

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COMPUTER DICTIONARY

SECOND EDITION



COMPLETELY
REVISED AND
UPDATED, WITH NEW
DEFINITIONS AND
ILLUSTRATIONS

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

LIBRARY
FENWICK & WEST

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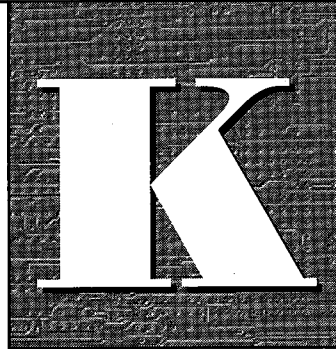
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K See kilo-.

K&R C The version of the C programming language that was defined by Brian W. Kernighan and Dennis M. Ritchie. K&R C was the informal C standard until a more formal standard was developed by an ANSI committee. See also ANSI C, C.

Kb See kilobit.

KB See kilobyte.

Kbit See kilobit.

Kbps See kilobits per second.

Kbyte See kilobyte.

kc See kilocycle.

Kermit A file-transfer protocol used in asynchronous communications. Developed at Columbia University primarily as a means of transferring information between microcomputers and mainframes, Kermit is a widely known protocol used in numerous software packages designed for communications over telephone lines. Information is transmitted in variable-length units (packets), which are normally up to 96 bytes long, and each packet is checked for transmission errors. Control characters are converted into standard printable ASCII characters (decimal codes 32 through 126) and can thus be transferred without the risk of misinterpretation at the receiving end. Compare Xmodem.

kern To selectively alter the distance between pairs of letters; for readability and to make the type spacing more balanced and proportional. Some pairs of letters that are typically kerned are AV, WA, and YO. See the illustration.

kernel The core of an operating system; the portion of the system that manages memory, files, and peripheral devices; maintains the time and

date; launches applications; and allocates system resources.

key On a keyboard, the combination of a plastic keycap (which typically has a character printed on its face), a tension mechanism that suspends the keycap but allows it to be pressed down, and an electronic mechanism that records the key press and key release.

In database management, an identifier for a record or group of records in a data file. Most often, the key is defined as the contents of a single field, called the key field in some database management programs and the index field in others. In most database management systems, the keys (meaning the contents of a single key field or the composite key) are maintained in key tables and are specially indexed to speed record retrieval. In many database management systems, these key tables are called index files. See also B-tree, hashing, index, inverted list.

A key can also be the code for deciphering encrypted data, or it can be a metal key used with a physical lock to disable a computer system.

keyboard The part of a computer system that resembles a typewriter keyboard and enables the

AWAKE
AWAKE

Kern.

The first three letters of the second example are kerned.