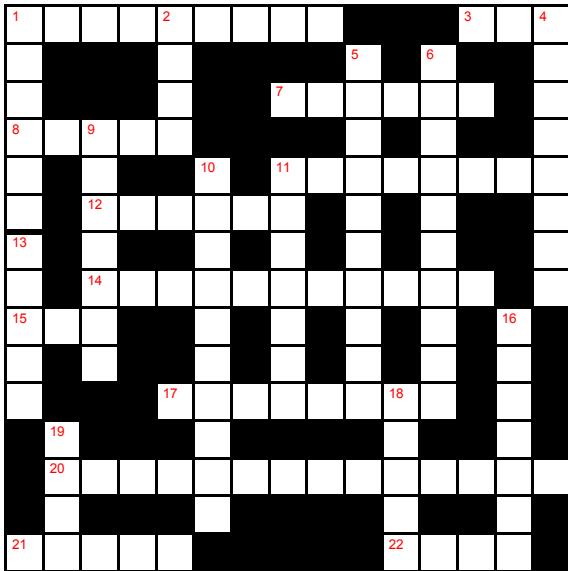


Computer_hard_disk_drives_15x15_2008-10-09

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Across

- 1 The most cost-effective method for backing up large amounts of data (4,5)
- 3 The most common computer memory which can be used by programs to perform necessary tasks while the computer is on (3)
- 7 The minimum track length that can be assigned to store information; unless otherwise specified a _____ of data consists of 512 bytes (6)
- 8 A large amount of digital information can be stored and accessed but it cannot be altered by the user (2-3)
- 11 The time it takes the read/write heads to move from their current location to the track where the desired information is

located (4,4)

- 12 That's what the first letter "M" stands for in acronym "MMU" (6)
- 14 An _____ cache, which is a small amount of high-speed static RAM, increases the speed at which the CPU is able to retrieve information from system RAM (11)
- 15 A data path shared by many devices (3)
- 17 Hard-disk _____ are made of finely polished glass, ceramic composites, or aluminum and are coated on both sides with a very thin layer of a metal alloy (8)
- 20 Such drives combine the technology and advantages of both the conventional magnetic drives and the laser-beam-based CD-ROM drives (7-)

7)

- 21 It stands for the American Standard Code for Information Interchange (5)
- 22 Redundant Array of Independent Disks (4)

Down

- 1 Circular magnetic paths on a magnetic disk that serve as a guide for writing and reading data (6)
- 2 Dynamic random access memory (4)
- 4 That's what the letter "M" stands for in acronym "PERM". (8)
- 5 The time between the moment a drive receives a request for data, and the moment the drive begins delivering the data (6,4)
- 6 The _____ occupy the first two blocks of every volume (4,6)
- 9 A _____ is RAM that has been configured to perform as would a very high-speed storage device (3,4)
- 10 The drive _____ administers the operation of a hard disk (10)
- 11 A _____ drive uses removable cartridges, each containing a rigid platter (7)
- 13 An identifying or descriptive marker (5)
- 16 The _____ overhead is the time it takes the controller to process a data request (7)
- 18 Rotating armature of a hard disk (5)
- 19 Rate at which electricity flows through a conductor (4)