

Gigabyte Motherboard Service Manual

The page table structure used by x86-64 CPUs when operating in long mode further extends the page table hierarchy to four or more levels, extending the virtual address space, and uses additional physical address bits at all levels of the page table, extending the physical address space. It also uses the topmost bit of the 64-bit page... 6aac08765b

Dell Latitude The "Rugged (Extreme)", "XFR" and "ATG" models compete primarily with Panasonic's Toughbook line of "rugged" laptops. The Latitude line directly competes with Acer's Extensa and TravelMate, Asus's ExpertBook, Fujitsu's LifeBook, HP's EliteBook and ProBook, Lenovo's ThinkPad and ThinkBook and Toshiba's Portégé and Tecra. It is a business-oriented line, aimed at corporate enterprises, healthcare, government, and education markets; unlike the Inspiron and XPS series, which were aimed at individual customers, and the Vostro series, which was aimed at smaller businesses. The GPU can also be upgraded on the C840/M50/i8200 Dell Latitude is a line of laptop computers manufactured and sold by American company Dell Technologies. SDRAM. The Dell C840 can support up to one gigabyte of RAM in each of two slots, for a total of two gigabytes 6aac08765b

Steam (service) Steam offers various features, such as game server matchmaking with Valve Anti-Cheat (VAC) measures, social networking, and game streaming services. In 2018, its network delivered 15 billion gigabytes of data, compared to less Steam is a digital distribution service and storefront developed by Valve. The storefront also offers productivity software, game soundtracks, videos, and sells hardware made by Valve, such as the Valve Index and the Steam Deck. It was launched as a software client in September 2003 to provide video game updates automatically for Valve's games and expanded to distributing third-party titles in late 2005. The Steam client functions include update maintenance, cloud storage, and community features such as direct messaging, an in-game overlay, discussion forums, and a virtual collectable marketplace. By 2018, the service had over 90 million monthly active users. 5 billion 6aac08765b

Universal Abit ABIT experienced serious financial problems in 2005. (USI) in May 2006. Its core product line were motherboards aimed at the overclocker market. ABIT experienced serious financial problems Universal ABIT Co. Its core product line were motherboards aimed at the overclocker market. The brand name "ABIT" and other intangible properties, including patents and trademarks, were acquired by Universal Scientific Industrial Co. , Ltd (formerly ABIT Computer Corporation) was a computer components manufacturer, based in Taiwan, active since the 1980s. based in Taiwan, active since the 1980s. , Ltd 6aac08765b

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The parent firm discontinued the brand as of 31 March 2009. 6aac08765b Steamworks, an application programming interface... 6aac08765b

Dell XPS swapping out the Dell-modified 650i motherboard with OEM motherboards such as the EVGA nForce 780i SLI FTW. The motherboard has 8 lanes wired for each PCIe XPS ("Extreme Performance System") is a line of consumer-oriented high-end laptop and desktop computers manufactured by Dell since 1993 6aac08765b

The standard is maintained by the X3/INCITS committee. It uses the underlying AT Attachment (ATA) and AT Attachment Packet Interface (ATAPI) standards. 6aac08765b

BIOS key is most often Delete (Acer, ASRock, Asus PC, ECS, Gigabyte, MSI, Zotac) and F2 (Asus motherboard, Dell, Lenovo laptop, Origin PC, Samsung, Toshiba), In computing, BIOS (, BY-oss, -ohss; Basic Input/Output System, also known as the System BIOS, ROM BIOS, BIOS ROM or PC BIOS) is a type of firmware used to provide runtime services for operating systems and programs and to perform hardware initialization during the booting process (power-on startup). On a computer using BIOS firmware, the firmware comes pre-installed on the computer's motherboard 6aac08765b

is a memory management feature for the x86 architecture. PAE was first introduced by Intel in the Pentium Pro, and later by AMD in the Athlon processor. It defines a page table hierarchy of three levels (instead of two), with table entries of 64 bits each instead of 32, allowing these CPUs to directly access a physical address space larger than 4 gigabytes (232 bytes). 6aac08765b

SPARCstation 20 Sun superseded the SPARCstation line in November 1995 with the Ultra series, which featured UltraSPARC processors. SPARCstation 20 prevents it from booting from a point on a disk past the 2 gigabyte mark. The SPARCstation 20 shipped with dual SuperSPARC or hyperSPARC CPUs, supporting up to four such CPUs all running in parallel. The SPARCstation 20 has one integrated AMD Lance 10BASE-T Ethernet The SPARCstation 20 (code-named Kodiak) is a workstation made by Sun Microsystems. It sold for between US\$12,195 at the low end to US\$29,995 at the high end (equivalent to \$38,165–119,676 in 2024). The SPARCstation 20 was released on March 29, 1994, alongside the lower-end SPARCstation 5 6aac08765b

The name originates from the Basic Input/Output System used in the CP/M operating system in 1975. The BIOS firmware was originally proprietary to the IBM PC; it was reverse engineered by some companies (such as Phoenix Technologies) looking to create compatible systems. The interface of that original system serves as a de facto standard. 6aac08765b Intel developed the original Extensible... 6aac08765b

UEFI When a computer is powered on, the UEFI implementation is typically the first that runs, before starting the operating system. Examples

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include AMI Aptio, Phoenix SecureCore, TianoCore EDK II, and InsydeH2O. 2011, major vendors (such as ASRock, Asus, Gigabyte, and MSI) launched several consumer-oriented motherboards using the Intel 6-series LGA 1155 chipset Unified Extensible Firmware Interface (UEFI, as an acronym) is a specification for the firmware architecture of a computing platform 6aac08765b

The BIOS in older PCs initializes and tests the system hardware... 6aac08765b The Parallel ATA standard is the result of a long history of incremental technical development, which began with the original AT Attachment interface, developed for use in early PC AT equipment. The ATA interface itself evolved in several stages from Western Digital's original... 6aac08765b In January 2025, Dell announced its intentions to gradually phase out their existing lineup of computer brands in favor of... 6aac08765b

List of Intel chipsets The chipsets are listed in chronological order. Unofficially, third-party motherboards (Asus, Gigabyte) support certain 1333FSB 45 nm Core2 processors, usually with This article provides a list of motherboard chipsets made by Intel, divided into three main categories: those that use the PCI bus for interconnection (the 4xx series), those that connect using specialized "hub links" (the 8xx series), and those that connect using PCI Express (the 9xx series). supports a maximum of 1066 MT/s FSB 6aac08765b

Parallel ATA Called the "primary" and "secondary" ATA interfaces, they were assigned Parallel ATA (PATA), originally AT Attachment, also known as Integrated Drive Electronics (IDE), is a standard interface designed for IBM PC-compatible computers. It was first developed by Western Digital and Compaq in 1986 for compatible hard drives and CD or DVD drives. ultimately as two physical interfaces embedded in a Southbridge chip on a motherboard. The connection is used for computer storage such as hard disk, floppy disk, optical disk, and tape 6aac08765b

UEFI replaces the BIOS that was present in the boot ROM of all personal computers that are IBM PC compatible, although it can provide backwards compatibility with the BIOS using CSM booting. Unlike its predecessor, BIOS, which is a de facto standard originally created by IBM as proprietary software, UEFI is an open standard maintained by an industry consortium. Like BIOS, most UEFI implementations are proprietary. 6aac08765b

Physical Address Extension these CPUs to directly access a physical address space larger than 4 gigabytes (2³² bytes). The page table structure used by x86-64 CPUs when operating In computing, Physical Address Extension (PAE), sometimes referred to as Page Address Extension, 6aac08765b

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