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Msi z490-a pro motherboard manual

Msi z490-a pro atx lga1200 motherboard manual.

The MSI Z490-A PRO motherboard is designed for use with Intel processors and features an LGA 1200 processor socket. It supports various Intel Core i3, i5, i9, and Pentium processors and provides a versatile option for high-performance computing. The motherboard has four memory slots that support DDR4-SDRAM and non-ECC memory, with clock speeds up to 4800 MHz. It also features 2.5 Gigabit Ethernet, Fast Ethernet, and Gigabit Ethernet interfaces, but lacks Wi-Fi capability. However, it does have a microphone input. The motherboard is constructed with premium materials for reliability and durability, making it suitable for demanding applications. With a maximum internal memory of 128 GB, it provides ample storage space. While it may lack some features found in other modern motherboards, such as Wi-Fi or USB-C ports, the MSI Z490-A PRO offers a cost-effective solution for high-performance computing needs. Some key specifications include: * Processor manufacturer: Intel * Supported memory types: DDR4-SDRAM * Supported storage drive types: HDD & SSD * Brand: MSI * Model: Z490-A PRO | Z490-A PRO * Product: Motherboard * EAN: 0824142212479, 4719072722340 * Language: English * File type: User manual (PDF) * Microphone in: Yes * USB ports: + USB 2.0: 2 + USB 3.2 Gen 1 (3.1 Gen 1) Type-A: 2 + USB 3.2 Gen 1 (3.1 Gen 1) Type-C: 0 + USB 3.2 Gen 2 (3.1 Gen 2) Type-A: 1 + USB 3.2 Gen 2 (3.1 Gen 2) Type-C: 1 Given article text rewritten with increased burstiness: The MSI Z490-A PRO motherboard boasts impressive specifications, including a 0 DVI-D port count and a single DisplayPort. Intel's LGA 1200 socket powers this board, supporting compatible processor series like Core i3, i5, and i9, as well as Pentium models. The Realtek RTL8125B LAN controller handles Ethernet duties, with speeds reaching 2.5 Gigabit. Memory-wise, the MSI Z490-A PRO accommodates up to 128 GB of DDR4-SDRAM, split across four slots running in dual-channel mode. Unbuffered memory is supported, and memory clock speeds range from 2133 to 4800 MHz. Audio fans will appreciate the Realtek ALC892 chip, which offers 7.1 channel output and supports up to nine mounting holes for various components. The board's form factor is ATX, with an Intel Z490 chipset at its core. Additional features include support for Windows 10 x64, storage drives via M.2 and SATA II, and RAID levels 0 through 10. Crossfire parallel processing technology is also supported, along with DirectX version 12.0 and discrete graphics capabilities. The MSI Z490-A PRO boasts three PCIe x1 slots, two PCIe x16 slots, and two M.2 (M) slots for added expansion possibilities. Connectivity options include four USB 2.0 connectors, five USB 3.2 Gen 1 connectors, and six SATA III connectors. Other notable features include a front panel audio connector, a TPM connector, and serial port headers. The board also includes cables and drivers for added convenience.