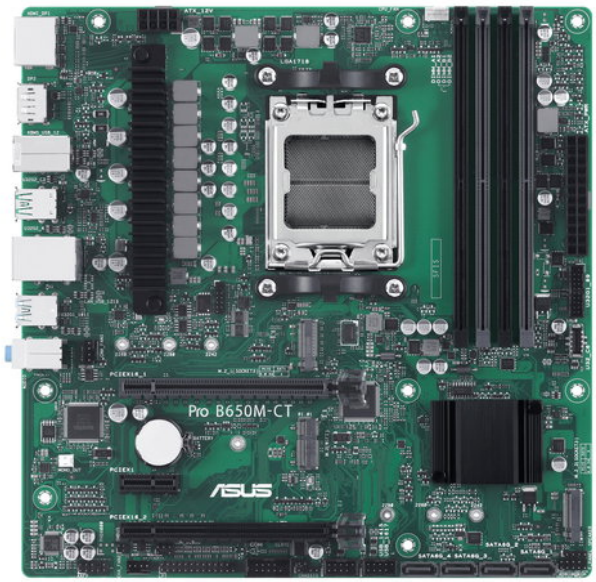

ASUS PRO B650M-CT-CSM AMD B650 Socket AM5 micro ATX

Model: 90MB1EC0-M0EAYC

Manufacturer: ASUS

EAN: 4711387164518

Product Code: 475760

R4,956

ASUS Pro business motherboards provide enhanced features to smooth your IT operations, including comprehensive system protection, 24/7 stability and reliability and an improved management suite for easier customization. Known as the world's biggest and best-known motherboard brand, ASUS provides world-class after-sales service and guaranteed long-term availability to maximize your investment over the product life cycle and offers a high-quality, TCO-optimized solution for your business computing-needs.

ASUS Corporate Stable Model

ASUS Corporate Stable Model (CSM) is a commercial program designed to provide stable and reliable motherboards. Offering up to 36-month product lifecycle support and 6-month end-of-life notice to

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allow sufficient lead times for your organization to get ready for product transitions. Each purchase of an ASUS CSM motherboard comes with ASUS Control Center Express - server-grade IT management software.

ASUS Control Center Express

ASUS Control Center Express is a real-time IT monitoring and management tool designed for business that improves productivity and enhances security, helping prevent unauthorized access and data leaks. The intuitive dashboard enables easy, real-time hardware and software management across your organization. Purchase of a Pro motherboard entitles you to a copy of Control Center Express – a US$60

Optimize IT endpoint management

Designed to assist IT staff in monitoring and controlling devices within their corporate networks, and facilitate inventory checking in multiple locations remotely

Automate IT maintenance

Allows IT staff to schedule automatic updates of the latest BIOS, software and utilities to specific or all devices at off-peak times, enhancing system stability and IT operational flexibility

Securely manage all of endpoints

Securely manage endpoint configuration, portable storage access and PC software applications by enabling them to create grouping rules on individual devices

DDR5 Support

This business motherboard is a DDR5-compatible motherboard that optimizes memory module speeds and stability, while providing an advanced voltage delivery architecture for greater energy efficiency.

PCIe 5.0 M.2 Support

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This business motherboard offers a total of two M.2 slots, the first one supports data-transfer speeds of up to 128Gbps via PCIe 5.0, enabling quicker boot-up and app load times with OS or application drives.

ASUS Boot Defender

ASUS Boot Defender on ASUS Business motherboards is designed to automatically protect, detect and recover the boot environment against any intrusions and attacks.

ASUS Self-recovering BIOS

ASUS-exclusive BIOS protection technology automatically recovers the system BIOS with a verified backup in the event of an update failure, preventing the need to replace or reinstall hardware.

Trusted Platform Module(TPM)

Hardware-based security offers better data protection, enhances network security, protects digital identities and ensures platform integrity.

NIST SP 800-193 Compliant

ASUS Business motherboard with ASUS Boot Defender adheres to the National Institute of Standards and Technology (NIST) Platform Firmware Resiliency guidelines to protect against potentially destructive attacks.

Certified NIST SP 800-147

ASUS Business motherboard is certified by the national computer security standards.

ASUS Secure Boot

ASUS business motherboard is set to check the firmware and signature of each piece of boot software.

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ASUS SHIELD

Enhances system security from bottom to top

ASUS Boot Defender

ASUS Boot Defender ensures your PC is secure even before you boot up the OS and offers additional protection beyond the OS environment. On start-up, it verifies the BIOS code to detect attacks or corrupted firmware. It’s designed to automatically protect and repair the compromised BIOS code to safeguard PCs from intrusions and attacks.

Protection

Provide advanced BIOS protection and resiliency through ASUS Defender controller

Detection

Identifies corrupted or tampered BIOS codes at start up

Recovery

Automatically repairs corrupted BIOS with a backup copy of the ASUS BIOS

The ASUS Defender controller uses hardware-based Root-of-Trust (ROT) with immutable and non-bypassable boot firmware to form a chain of trust (COT) with integrity for a secure computing system.

ASUS Self-recovering BIOS

With ASUS Self-recovering BIOS

The user simply needs to reboot the system and ASUS Self-recovering BIOS will restore the latest BIOS update.

Standard process for BIOS update crash recovery

The user must go through the following steps to reinstall the BIOS update

ASUS RELIANT

Ensures consistent performance with the finest components and rigorous reliability testing

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Anti-moisture Coating

Protection against moisture and corrosion

An innovative moisture-resistant coating protects the motherboard in humid environments, such as factories, libraries, data centers and internet cafes. It also minimizes internal corrosion by preventing adhesion and migration of moisture, prolonging the life of the motherboard.

Anti-sulfur Resistors

Consider long-term reliability of commercial product, ASUS Business motherboard is equipped with anti-sulfur resistors. The resistors provide excellent resistance to sulfuration by constructed in a high grade ceramic body (aluminum oxide). With anti-sulfur resistors, ASUS Business motherboard can be operated under the harsh environments.

Stainless-Steel Back I/O

3X corrosion-resistance for greater durability

Corrosion-resistant stainless steel back I/O panels bonded with chromium oxide have a lifespan that's three times longer than ordinary panels.

Overvoltage Protection

World-class circuit-protecting power design

An exclusive circuit design with built-in voltage regulators to protect your chipset, connectivity ports, and audio codecs from damage caused by unexpected high-level voltages from unstable or inferior power supplies.

* Specifications and features vary by model, and all images are illustrative. Please refer to specification and gallery pages for full details.

ESD Guards

Electrostatic discharge protection

ASUS ESD Guards prevent damage from electrostatic discharge, up to +/- 10kV for air discharge and +/-15kV for contact discharge, arranged in an active-protective-circuit design that prolongs the life of components.

LANGuard

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Pumped-up throughput. 2.5X higher surge tolerance.
ASUS LANGuard is hardware-level networking protection that employs signal-coupling technology and premium anti-EMI surface-mounted capacitors ensuring a more reliable connection and better throughput, plus electrostatically guarded and surge-protected components for greater tolerance to static electricity and improved protection against surges.

24/7 Reliability Test

Optimized for twenty-four seven operations, the motherboard is tested under temperature up to 45°C and relative humidity up to 80% to ensure it can handle diverse temperature and humidity range of different location.

ASUS MANAGEMENT SUITE

ASUS Commercial BIOS Kit

ASUS understands how important a customized product impacts users' mind share, experience the brand new Commercial BIOS Kit for partial BIOS update solution!

Remote IT Management

The onboard SMBUS header connects to a DASH LAN card* for remote IT management. DASH is a desktop and mobile architecture system hardware that allows the motherboard to be managed via the network.

ASUS SERVICEABILITY

Facilitate the assembly process and enable efficient troubleshooting

Q-LED Core

The Q-LED Core display produces light patterns by power LED during the Power-On Self-Test (POST) that can help users troubleshoot potential issues.

ASUS COM Debug Header

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This 6-1 pin COM debug header allows for faster and more efficient motherboard troubleshooting. IT administrators can view error and debugging codes to get a better idea of initialization and recovery processes when connecting to a debug card*.
*Third-party debug card sold separately.
** Specifications and features vary by model, and all images are illustrative. Please refer to specification and gallery pages for full details.

Box Headers

All USB headers are box style, enabling fast connector installation and preventing pin damage.
* Specifications and features vary by model, and all images are illustrative. Please refer to specification and gallery pages for full details.

Fixed-position Connectors

Connector positions on ASUS Business motherboards remain consistent across product generations, protecting training, manufacturing and investments in supporting hardware.

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