

MSI Pro B650M-B AMD Ryzen Motherboard / AMD Socket AM5 / AMD B650 Chipset / 2 DIMMs, Dual Channel DDR5-6800+MHz (OC) / 1x PCIe 4.0 x16 slot



Specifications:

CHIPSET: AMD B650

CPU_SUPPORT

Supported Processors

- AMD Ryzen™ 8000 Series Desktop Processors
- AMD Ryzen™ 7000 Series Desktop Processors

Socket: AM5

MEMORY

Slots: 2x DDR5

Maximum Capacity: 128GB

Support

- DDR5 6800+(OC)
- 6600(OC)
- 6400(OC)

- 6200(OC)
- 6000(OC)
- 5800(OC)
- 5600(OC)
- 5400(OC)
- 5200(OC)
- 5000(OC)
- 4800(JEDEC) MHz

Max Overclocking Frequency

1DPC 1R: 6800+ MHz

1DPC 2R: 6000+ MHz

Dual-Channel Mode: Supported

ECC: Non-ECC

Unbuffered Memory: Supported

AMD EXPO: Supported

ONBOARD_GRAPHICS

Ports

- 1x HDMI™
- 1x VGA

HDMI: Support HDMI™ 2.1, maximum resolution of 4K 60Hz*

VGA: Support VGA, maximum resolution of 2048x1536 50Hz, 2048x1280 60Hz, 1920x1200 60Hz

Note: *Available only on processors featuring integrated graphics. Graphics specifications may vary depending on the CPU installed.

SLOT

Slots

- 1x PCI-E x16 slot
- 1x PCI-E x1 slot

PCI_E1: Gen PCIe 4.0 supports up to x16 (From CPU)

PCI_E2: Gen PCIe 3.0 supports up to x1 (From Chipset)

STORAGE

M.2: 1x M.2

M.2_1: M.2_1 Source (From CPU) supports up to PCIe 4.0 x4, supports 2280/2260 devices

SATA 6G: 4x SATA 6G ports

RAID: Supports RAID 0, RAID 1 and RAID 10 for SATA storage devices

USB

Rear

- 2x USB 2.0
- 4x USB 3.2 Gen1 Type A

Front

- 4x USB 2.0
- 2x USB 3.2 Gen1 Type A

LAN: Realtek® RTL8125BG 2.5G LAN

AUDIO

Codec: Realtek® ALC897

Channels: 7.1-Channel High Definition Audio

INTERNAL_IO

- 1x Power Connector(ATX_PWR)
- 1x Power Connector(CPU_PWR)
- 1x CPU Fan
- 2x System Fan
- 2x Front Panel (JFP)
- 1x Chassis Intrusion (JCI)
- 1x Front Audio (JAUD)
- 1x Com Port (JCOM)
- 1x Addressable V2 RGB LED connector (JARGB_V2)
- 1x RGB LED connector(JRGB)
- 1x TPM pin header(Support TPM 2.0)
- 4x USB 2.0 ports
- 2x USB 3.2 Gen1 Type A ports

LED_FEATURE: 4x EZ Debug LED

BACK_PANEL_PORTS

- HDMI™

- VGA
- Keyboard/Mouse
- USB 3.2 Gen 1 5Gbps (Type-A)
- LAN port
- Audio connectors
- USB 2.0

OPERATING_SYSTEM: Support for Windows® 11 64-bit, Windows® 10 64-bit

PCB_INFO

Form Factor: mATX

Dimensions: 215mm x 243.84mm

BOX_CONTENT

- MSI B650M-B Motherboard
- European Union Regulatory Notice
- Quick Installation Guide
- M.2 / Standoff Set
- SATA Cable
- I/O Shield

