

BIOSTAR B650MT-E PRO DDR5 AMD AM5 Socket Motherboard

Sale Price: 7700.0



PRODUCT ID: 00979

Processor

Supported CPU Socket AM5 support AMD Ryzen 7000 / 8000 series Processors
Support for future AMD Ryzen processors with BIOS update
* Please refer to www.biostar.com.tw for CPU support list.

Mainboard

Chipset AMD B650

Memory

Memory AMD Ryzen 7000 / 8000 series Processors:
Supports Dual Channel DDR5 6000+(OC)/ 5600(OC)/ 5400(OC)/ 5200/ 4800
4 x DDR5 DIMM Memory Slot, Max. Supports up to 192 GB Memory
Each DIMM supports non-ECC 8/ 16/ 24/ 32/ 48 GB DDR5 module
* Please refer to www.biostar.com.tw for Memory support list.

Storage

Storage Total support 2 x M.2 Socket and 4 x SATA (6Gb/s) ports
AMD Ryzen 7000 Series Processors
1 x M.2 (Key M) Socket (M2M_CPU) :
Supports M.2 Type 2242/ 2260/ 2280 SSD module
Supports PCIe 4.0 x4 (64Gb/s) - NVMe/ AHCI SSD
AMD B650 Chipset
1 x M.2 (Key M) Socket (M2M_SB) :
Support M.2 Type 2280 SSD module
Support PCIe 4.0 x 4 (64Gb/s) - NVMe / AHCI SSD
4 x SATA III Connector (6Gb/s) : Supports AHCI & RAID 0, 1, 10

Networking & Connectivity

LAN Realtek RTL8125B
10/ 100/ 1000/ 2500 Mb/s auto negotiation, Half / Full duplex capability

Ports

I/O Port

2 x WiFi Antenna Ports
1 x PS/2 Keyboard/ Mouse Port
1 x BIOS update Button
1 x HDMI Port (HDMI1.4)
1 x DP Port (DP1.2)
1 x USB 3.2 (Gen2) Type-C Port
1 x USB 3.2 (Gen2) Type-A Port
4 x USB 3.2 (Gen1) Type-A Ports
2 x USB 2.0 Type-A Ports
1 x 2.5G LAN port
3 x Audio Jack

Internal I/O Ports

4 x SATA III Connectors (6Gb/s)
1 x M.2 (E Key) Socket : Supports 2230 type Wi-Fi & Bluetooth module
2 x USB 2.0 Header (each header supports 2 USB 2.0 ports)
1 x USB 3.2 (Gen1) Header (each header supports 2 USB 3.2 (Gen1) ports)
1 x USB 3.2 (Gen2) Type-C Header (each header supports 1 USB 3.2 (Gen2) Type-C ports)
1 x 8-Pin Power Connector
1 x 24-Pin Power Connector
1 x CPU Fan Connector
1 x CPU water cooling connector (CPU_OPT)
1 x System Fan Connector
1 x Front Panel Header
1 x Front Audio Header
1 x Internal Stereo Speaker Header
1 x Clear CMOS Header
1 x COM Port Header
1 x TPM Header
2 x LED Header (5V)
1 x LED Header (12V)
* M.2 (E Key) Wi-Fi card is not provided

USB

2 x USB 3.2 Gen2 Type-C ports (1 on rear I/Os and 1 via internal headers)
1 x USB 3.2 Gen2 port (1 on rear I/Os)
6 x USB 3.2 Gen1 ports (4 on rear I/Os and 2 via internal headers)
6 x USB 2.0 ports (2 on rear I/Os and 4 via internal headers)

Special Features

Audio/Video Features

ALC897
7.1 Channels, High Definition Audio, Hi-Fi

Speacial Features

H/W MONITORING: CPU / System Temperature Monitoring
CPU / System Fan Monitoring
Smart / Manual CPU Fan Control
CPU/DDR Voltage Monitoring

Others

Accessories	2 x SATA Cable 1 x I/O Shield 1 x DVD Driver 1 x Quick Guide 1 x WiFi antenna accessories
Other Features	INTEGRATED VIDEO: By CPU model Supports DX12 Supports HDCP
Physical Specification	
Expansion Slots	AMD Ryzen 7000 / 8000 Series Processors 1 x PCIe 4.0 x 16 Slot (x16 or x8/x8 mode) 2 x PCIe 4.0 x 1 Slot (x1 mode) AMD B650 Chipset 1 x PCIe 4.0 x 1 Slot (x1 mode)
Form Factor	mATX
Dimension	24.4cmx24.4cm (W x L)
Technical Info	
Brand	Biostar
Supported OS	Supports Windows 10(64bit) / 11(64bit) Biostar reserves the right to add or remove support for any OS with or without notice.
Warranty Information	
Warranty	3 Years