

ASUS PRIME B650M-F AMD DDR5 mATX Motherboard

Sale Price: 13800.0



PRODUCT ID: 0001185

Basic Information

Supported CPU	AMD Socket AM5 for AMD Ryzen 9000 & 8000 & 7000 Series Desktop Processors
Chipset	AMD B650 Chipset
BIOS	256 Mb Flash ROM, UEFI AMI BIOS
Form Factor	micro-ATX Form Factor 8.9 inch x 8.6 inch (22.6 cm x 21.8 cm)
Audio	Realtek 7.1 Surround Sound High Definition Audio CODEC* - Supports: Jack-detection, Multi-streaming, Front Panel Jack-retasking - Supports up to 24-Bit/192 kHz playback Audio Features - Audio Shielding - Premium audio capacitors - Dedicated audio PCB layers

Expansion Slots

PCI	AMD Ryzen 9000 & 7000 Series Desktop Processors* 1 x PCIe 4.0 x16 slot (supports x16 mode) AMD Ryzen 8000 Series Desktop Processors 1 x PCIe 4.0 x16 slot (supports x8/x4 mode)** AMD B650 Chipset 1 x PCIe 4.0 x1 slot
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Memory

Type	DDR5
Slots	2 x DIMM slots
Supported Memory	7200+ (OC)/7000(OC)/6800(OC)/6600(OC)/6400(OC)/6200(OC)/6000(OC)/5800(OC)/5600(OC)/5400(OC)/5200/5000/4800 Non-ECC, Un-buffered Memory Dual channel memory architecture Supports AMD Extended Profiles for Overclocking (EXPO)
Maximum Memory	Max. 96GB

Information

Graphics

Graphics Supports 4K@60Hz as specified in HDMI 2.1.

Connector & Ports

HDMI	1x HDMI
USB (s)	Rear USB (Total 6 ports) 2 x USB 5Gbps ports (2 x Type-A) 4 x USB 2.0 ports (4 x Type-A) Front USB (Total 6 ports) 1 x USB 5Gbps header supports 2 additional USB 5Gbps ports 2 x USB 2.0 headers support 4 additional USB 2.0 ports
LAN Port (s)	1 x Realtek 1Gb Ethernet
Supported Storage	Supports 1 x M.2 slot and 4 x SATA 6Gb/s ports* AMD Ryzen 9000 & 8000 & 7000 Series Desktop Processors M.2 slot (Key M), type 2242/2260/2280 (supports PCIe 4.0 x4 mode) AMD B650 Chipset 4 x SATA 6Gb/s ports
RAID	AMD RAIDXpert2 Technology supports both PCIe RAID 0/1/10 and SATA RAID 0/1/10.
Audio	3 x Audio jacks

Information

Internal I/O Ports	Internal I/O Connectors
	Fan and Cooling Related
	1 x 4-pin CPU Fan header
	2 x 4-pin Chassis Fan headers
	Power Related
	1 x 24-pin Main Power connector
	1 x 8-pin +12V Power connector
	Storage Related
	1 x M.2 slot (Key M)
	4 x SATA 6Gb/s ports
	USB
	1 x USB 5Gbps header supports 2 additional USB 5Gbps ports
	2 x USB 2.0 headers support 4 additional USB 2.0 ports
	Miscellaneous
	3 x Addressable Gen 2 headers
	1 x Clear CMOS header
	1 x COM Port header
	1 x Front Panel Audio header (F_AUDIO)
	1 x S/PDIF Out header
	1 x Speaker header
	1 x 10-1 pin System Panel header
	Back Panel I/O Ports
	2 x USB 5Gbps ports (2 x Type-A)
	4 x USB 2.0 ports (4 x Type-A)
	1 x HDMI port
	1 x Realtek 1Gb Ethernet port
	3 x Audio jacks
	1 x BIOS FlashBack button
TPM (Trusted Platform Module)	1 x SPI TPM header (14-1pin)

Others

Special Features	ASUS 5X PROTECTION III
	- DIGI+ VRM
	- LANGuard
	- Overvoltage Protection
	- SafeSlot Core
	- Stainless-Steel Back I/O
	ASUS Q-Design
	- Q-DIMM
	- Q-LED core
	- Q-Slot
	ASUS Thermal Solution
	- Aluminum heatsink design
	ASUS EZ DIY
	- BIOS FlashBack button
	- BIOS FlashBack LED
	Aura Sync
	- Addressable Gen 2 headers

Information

Bundled	ASUS Exclusive Software
Software	Armoury Crate
	- Aura Creator
	- Aura Sync
	- Fan Xpert 2+
	- Power Saving
	- Two-Way AI Noise Cancelation
	AI Suite 3
	- TurboV EVO
	- DIGI+ VRM
	- PC Cleaner
	ASUS CPU-Z
	Norton 360 Deluxe (60 Days Free Trial)
	WinRAR (40 Days Free Trial)
	UEFI BIOS
	ASUS EZ DIY
	- ASUS CrashFree BIOS 3
	- ASUS EZ Flash 3
	- ASUS UEFI BIOS EZ Mode

Warranty Information

Manufacturing Warranty	3 Years Warranty
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