

Specifications

CPU	<ul style="list-style-type: none"> • Supports AMD Ryzen™ 9000/ 8000/ 7000 Series Desktop Processors* • Processor socket AM5 <p>* Please go to www.msi.com to get the newest support status as new processors are released.</p>
Chipset	AMD X870E Chipset
Memory	<ul style="list-style-type: none"> • 4x DDR5 memory slots*, supporting up to 256GB** • Supports AMD PDR Speed and JEDEC Speed • Supports Memory Overclocking and AMD EXPO™ • Supports Dual-Channel mode • Supports Non-ECC, Un-buffered memory • Supports CUDIMM, Clock Driver bypass mode only*** <p>* The DIMM slots on this motherboard only have single-sided latches.</p> <p>** Memory compatibility and supported speeds can vary depending on the CPU and memory configuration. For detailed information, please refer to the Memory Compatibility List available on the product's Support page or visit https://www.msi.com/support/.</p> <p>*** CUDIMM support and PDR boot frequency may vary by CPU series, with manual overclocking available after boot. Certain CPUs may fail to boot, but future BIOS updates will improve compatibility.</p>
Expansion Slots	<ul style="list-style-type: none"> • 3x PCIe x16 slots <ul style="list-style-type: none"> • PCI_E1* slot (From CPU) <ul style="list-style-type: none"> • Supports up to PCIe 5.0 x16 • PCI_E2* slot (From CPU) <ul style="list-style-type: none"> • Supports up to PCIe 5.0 x4 • PCI_E3 slot (From X870E chipset) <ul style="list-style-type: none"> • Supports up to PCIe 4.0 x4 <p>* PCI_E1, PCI_E2 and M2_2 share the bandwidth. Please refer to the PCIe configuration table on page 21 for more details.</p>
Onboard Graphics	<ul style="list-style-type: none"> • 1x HDMI™ 2.1 with FRL port, supporting a maximum resolution of 8K 60Hz*/ ** • 2 x USB4® ports supporting DisplayPort 1.4 with HBR3 over USB Type-C®, with a maximum resolution of 4K 60Hz*/ ** <p>* Available only on processors featuring integrated graphics. ** Graphics specifications may vary depending on the CPU installed.</p>
SATA Ports	<ul style="list-style-type: none"> • 4x SATA 6Gb/s ports (From X870E chipset)

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Software	<ul style="list-style-type: none">• Drivers• MSI Center• Acrobat• Adobe Creative Cloud• AIDA64 Extreme - MSI Edition• CPU-Z MSI GAMING• MSI App Player(BlueStacks)• Norton 360• Voicemod
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PCI_E1, PCI_E2 and M2_2 share the bandwidth. Please refer to PCIe configuration table below:

Processor	PCI_E1	PCI_E2	M2_2
Ryzen™ 9000/ 7000 Series	PCIe 5.0 x16	X	X
	PCIe 5.0 x8	PCIe 5.0 x4	PCIe 5.0 x4
Ryzen™ 8700/ 8600/ 8400 Series	PCIe 4.0 x8	X	X
Ryzen™ 8500/ 8300 Series	PCIe 4.0 x4	X	X

(PCIe: M.2 PCIe SSD, X: unavailable)

Overview of Components

