



AMD
RYZEN

MAX PERFORMANCE EVO ERA

MPG X870E
CARBON MAX WIFI



MEG X870E ACE MAX



MAG X870E
TOMAHAWK MAX WIFI



PRO X870E-P EVO WIFI



MSI AMD 800 MAX / EVO Series Motherboards
Support the latest Ryzen 9000 Series Processors | Ready for AI PC

AMD
SOCKET
AM5

X870

AMD
SOCKET
AM5

X870E

AMD
SOCKET
AM5

B850

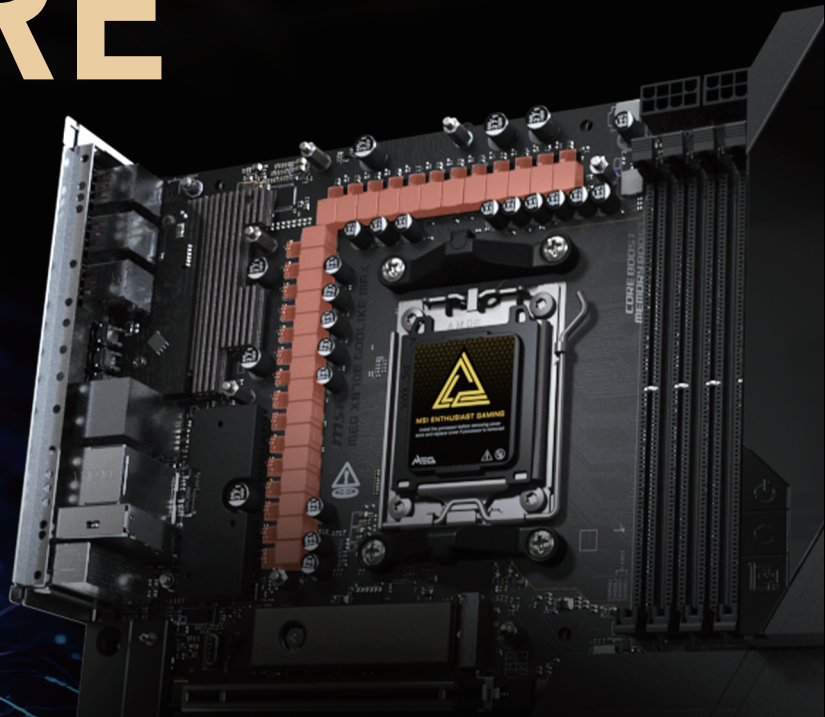
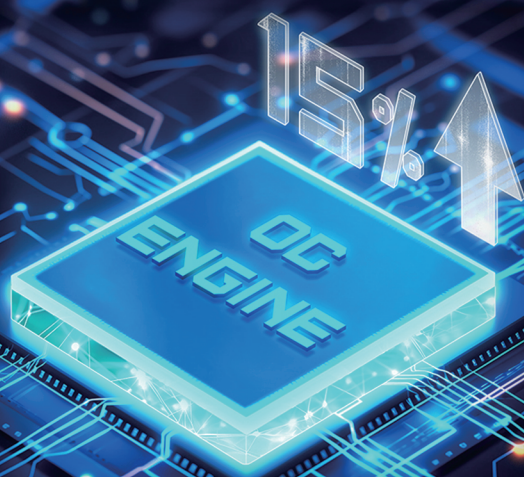
AMD
SOCKET
AM5

B840

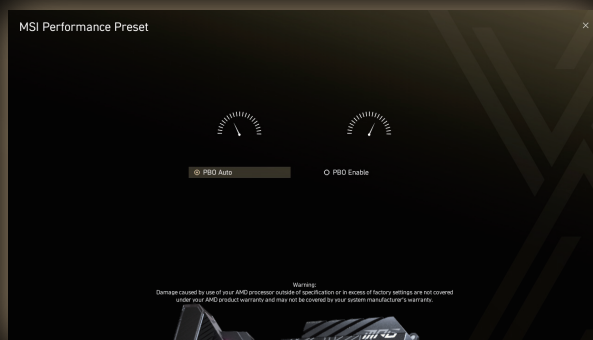


OC
ENGINE

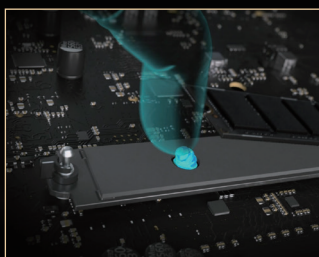
FEATURE HIGHLIGHTS



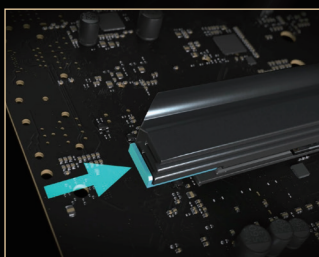
ULTRA ENGINE



EZ DIY



EZ M.2 Clip II



EZ M.2 Shield Frozr II



EZ Antenna



EZ PCIe Release

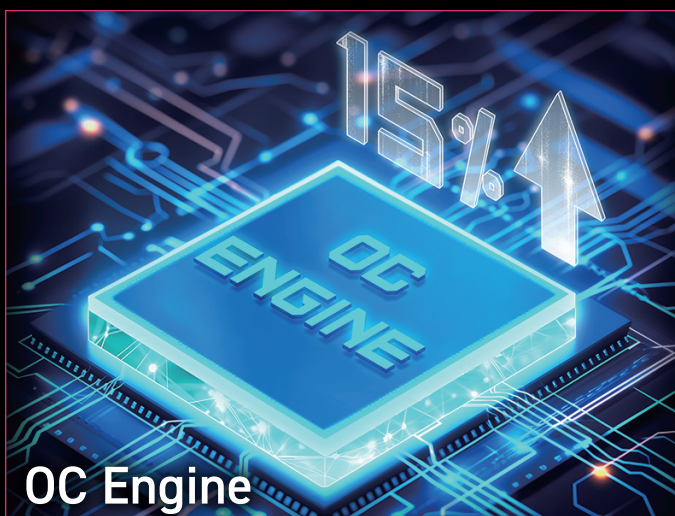
FROZR GUARD



ULTRA PERFORMANCE

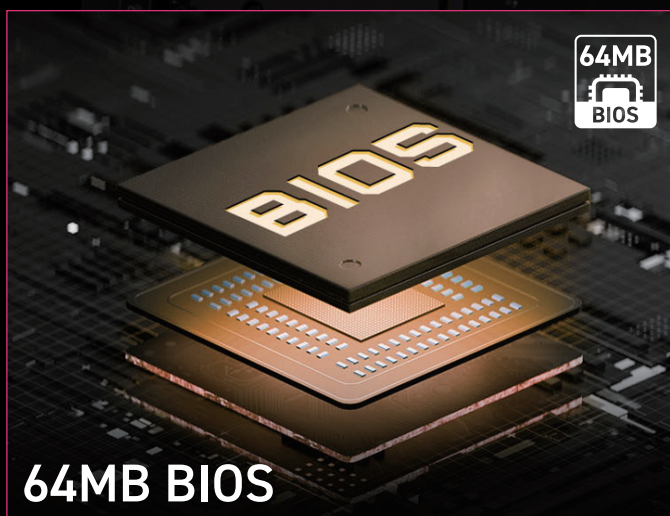
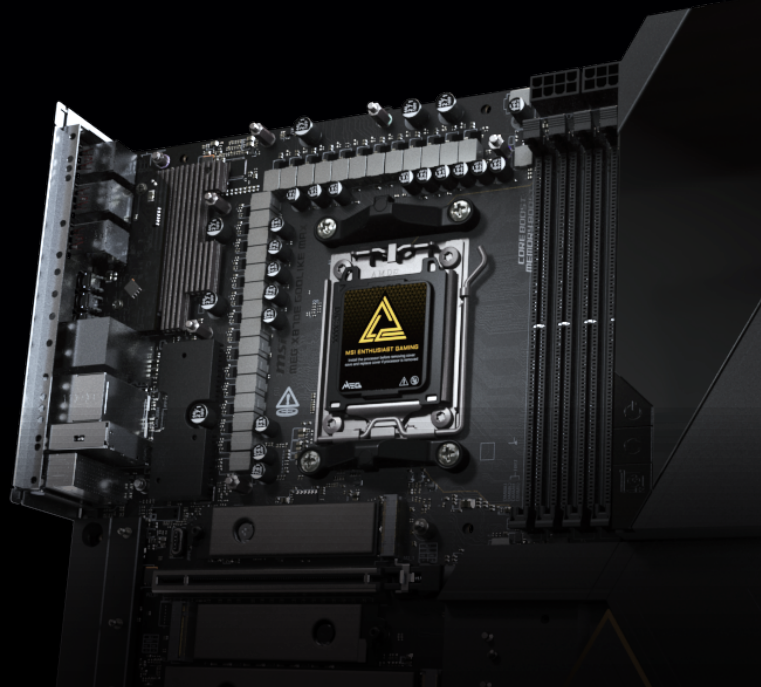
ULTIMATE POWER SOLUTION

With up to 24+2+1 Duet Rail Power System and 110A Smart Power Stage design, AMD 800 MAX / EVO motherboards are ready to push CPU performance to its limits.



OC Engine

OC Engine is a dedicated chip that enables independent Base Clock (BCLK) control for precise tuning through asynchronous mode in MSI BIOS. It boosts performance by up to 15% while keeping iGPU, memory, PCIe and NVMe stable, giving enthusiasts more headroom for record-breaking overlocks.



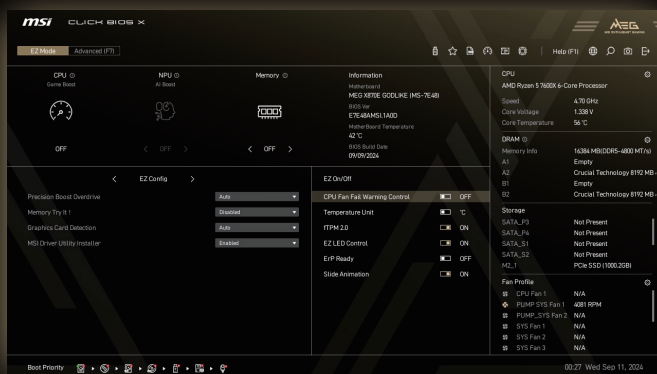
64MB BIOS

A larger BIOS ROM capacity allows users to enjoy the most complete and feature-rich BIOS interface when using their CPU. Even when upgrading to the latest AM5 CPUs in the future, full compatibility will still be ensured.



EXTREME MEMORY PERFORMANCE

Combining a dedicated SMT welding process and MSI's Memory Boost technology, the AMD 800 MAX / EVO motherboards achieve a significant leap in DDR performance, with the MEG X870E UNIFY-X MAX even surpassing 10600 MT/s!



The AMD X870(E) MAX / EVO series all come equipped with at least one 5G LAN port, USB 40Gbps type-C, and true Wi-Fi 7 benefit users from outstanding connectivity and dependable performance.



X870 MAX / EVO
models



Other cost down
WIFI 7

Up to **2.8Gbps**

Up to **2.8Gbps**

Other cost down
WIFI 7

Up to **2.8** MHz

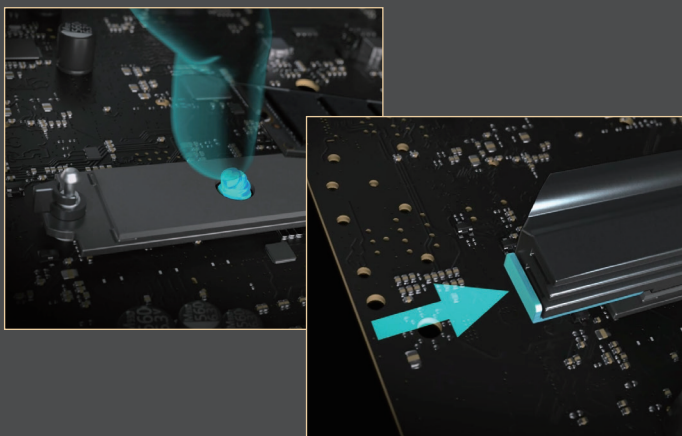
Up to **2.8** MHz

MSI motherboards feature the highest Wi-Fi 7 standard, offering the full speeds and bandwidth TRUE Wi-Fi 7 solution for an unparalleled wireless connectivity experience.



MSI's innovative FROZR GUARD offers superior heat dissipation while providing exceptional protection for motherboards that keeps your system cool and stable even under extreme conditions.

EZ DIY

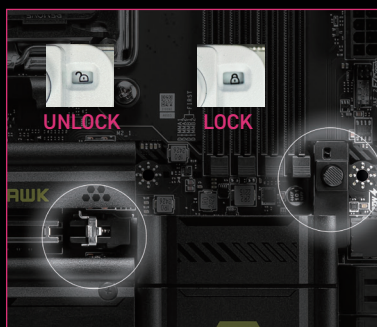


EZ M.2 INSTALLTION

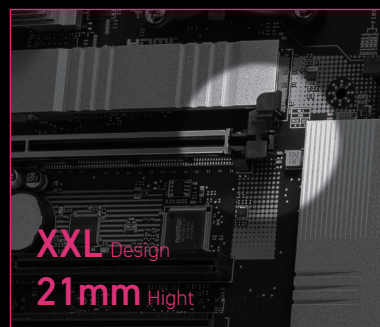
MSI's improved EZ M.2 Shield Frozr II allows for easier installation and removal without the need for screws. The MEG X870E GODLIKE X EDITION, MEG X870E ACE MAX and MPG X870E CARBON MAX WIFI feature the more convenient EZ Magnetic M.2 Shield Frozr II design. Additionally, with the EZ M.2 Clip II, you can install or remove the SSD with a simple push of the latch.

EZ PCIE INSTALLTION

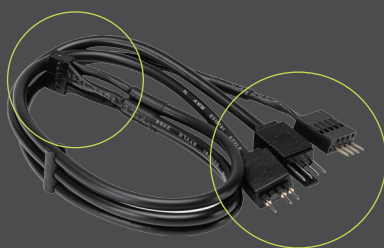
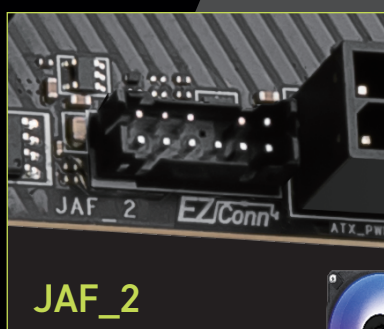
With EZ PCIe Release, just one press of a button, users can easily install or remove the graphics card with one finger. And the tail-like lock of the EZ PCIe Clip II allows users to install or remove a graphics card even in tighter spaces.



EZ PCIe Release



EZ PCIe Clip II



EZ CONN HEADER & CABLE

MSI's EZ Conn header allows users to easily connect MSI EZ series fans or MSI liquid cooling with only one cable.

If you don't have the above products, we also provide a 1 to 3 EZ Conn-Cable, enabling you to connect ARGB light, system fans and USB devices.

EZ ANTENNA

MSI's latest Wi-Fi antenna not only boasts a beautiful appearance but also features a magnetic design, making it easier to adjust the antenna's placement.



X870 MEG Series

MEG X870E UNIFY-X MAX



MEG X870E ACE MAX



MEG X870E GODLIKE MAX



**OVERPOWER
WITH INNOVATION**

Model Name		MEG X870E GODLIKE MAX / X EDITION	MEG X870E ACE MAX	MEG X870E UNIFY-X MAX
SPEC	CPU Support	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors
	Chipset	AMD X870E Chipset	AMD X870E Chipset	AMD X870E Chipset
	CPU Socket	AM5	AM5	AM5
	Expansion Slots	1 x PCIe 5.0 x16 slot, 1 x PCIe 5.0 x8 slot, 1 x PCIe 4.0 x4 slot	1 x PCIe 5.0 x16 slot, 1 x PCIe 5.0 x8 slot, 1 x PCIe 5.0 x4 slot	1 x PCIe 5.0 x16 slot, 1 x PCIe 5.0 x8 slot, 1 x PCIe 4.0 x4 slot, 1 x PCIe 3.0 x4 slot
	Onboard Graphics (Requires Processor Graphics)	2 x USB 4 (Type-C) – Requires Processor Graphics	2 x USB 4 (Type-C), 1 x HDMI 2.1 FRL – Requires Processor Graphics	2 x USB 4 (Type-C), 1 x HDMI 2.1 FRL – Requires Processor Graphics
	Memory Support	4 DIMMs, Dual Channel DDR5	4 DIMMs, Dual Channel DDR5	2 DIMMs, Dual Channel DDR5
	Storage	2 x M.2 PCIe 5.0 x4 slots 2 x M.2 PCIe 4.0 x4 slots 1 x M.2 PCIe 4.0 x2 slots 2 x M.2 PCIe 5.0 x4 slots via M.2 XPANDER-Z SLIDER GEN5 4 x SATA ports	2 x M.2 PCIe 5.0 x4 slots 3 x M.2 PCIe 4.0 x4 slots 4 x SATA ports	2 x M.2 PCIe 5.0 x4 slots 3 x M.2 PCIe 4.0 x4 slots 2 x SATA ports
	USB 40Gbps	2 x USB 40Gbps (2C)	2 x USB 40Gbps (2C)	2 x USB 40Gbps (2C)
	USB 20Gbps	1 x USB 20Gbps (1C)	1 x USB 20Gbps (1C)	1 x USB 20Gbps (1C)
	USB 10Gbps	14 x USB 10Gbps (8A + 6C)	11 x USB 10Gbps (9A + 2C)	9 x USB 10Gbps (8A + 1C)
	USB 5Gbps	4 x USB 5Gbps (4A)	4 x USB 5Gbps (4A)	4 x USB 5Gbps (4A)
	USB 2.0	4 x USB 2.0	4 x USB 2.0	4 x USB 2.0
	LAN	1 x AQC113 10G LAN, 1 x Realtek 8126 5G LAN	1 x AQC113 10G LAN, 1 x Realtek 8126 5G LAN	Realtek 8126 5G LAN
	Wi-Fi / BT	Wi-Fi 7, Bluetooth 5.4	Wi-Fi 7, Bluetooth 5.4	Wi-Fi 7, Bluetooth 5.4
	Audio	ALC4082 + ESS ES9219Q	ALC4082 + ESS ES9219Q	ALC4080
EZ DIY	Form Factor	EATX	ATX	ATX
	Accessory Cards	M.2 XPANDER-Z SLIDER GEN5, EZ Control Hub		Tuning Controller
	EZ M.2 Shield Frozr II / EZ Magnetic M.2 Shield Frozr II	EZ Magnetic M.2 Shield Frozr II	EZ Magnetic M.2 Shield Frozr II	EZ M.2 Shield Frozr II
	EZ M.2 Clip II	•	•	•
	EZ PCIe Release	•	•	•
	Smart Button	•	•	•
	Flash BIOS Button	•	•	•
	Clear CMOS Button	•	•	•
	Pre-installed I/O Shield	•	•	•
	Metal Backplate	•	•	•
	EZ Antenna	•	•	•
	EZ Front Panel Cable	•	•	•
	EZ Conn-Design	• (JAF_2)	• (JAF_2)	• (JAF_2)
	PCI-E STEEL ARMOR II	•	•	•
	EZ LED	EZ Digi-Debug LED / EZ Memory Detection	EZ Digi-Debug LED / EZ Debug LED / EZ Memory Detection	EZ Digi-Debug LED / EZ Debug LED / EZ Memory Detection
Thermal Features	EZ LED Control	Switch	Switch	Switch
	Dynamic Dashboard III	•		
	All Aluminum Design	•	•	•
	Wavy Fin Design	•	•	
	Heat-pipe Design	Cross Heat-pipe	Cross Heat-pipe	Cross Heat-pipe
	M.2 Shield Frozr	5 x (double-sided design)	5 x (double-sided design)	5 x (double-sided design)
Performance	MOSFET thermal pad / Extra choke pad	• (K9) / • (K5)	• (K9) / • (K5)	• (K9) / • (K5)
	Fan headers (CPU + Combo + PUMP + SYSTEM)	1+2+0+7(EZ Control Hub)	1+2+0+5	1+2+0+5
	Core Boost	•	•	•
	VRM Power Design (VCore / SOC / MISC)	24+2+1 (DRPS)	18+2+1 (DRPS)	18+2+1 (DRPS)
	Dual CPU Power	2 x 8-pin	2 x 8-pin	2 x 8-pin
	OC Engine	•	•	•
	Direct OC Jumper	•	•	• (Tuning Controller)
	Memory Boost	•	•	•
	Lightning Gen 5 PCI-E Slot / M.2	2 / 2	3 / 2	2 / 2
	Lightning Gen 4 PCI-E Slot / M.2	1 / 3	- / 3	1 / 3
	Front USB Type-C	1 x 20Gbps / 1 x 10Gbps	1 x 20Gbps	1 x 20Gbps
	USB with PD	1 x 60W(front)	1 x 60W(front)	1 x 60W(front)
Audio	Supplemental PCIe Power Connector	•	•	•
	Server Grade PCB	•	•	•
	2oz Copper thickened PCB	•	•	•
	Audio Boost 5 HD	•	•	
	Audio Boost			•
RGB Support	Mystic Light	•	•	•
	Mystic Light Extension (RGB)	1 x (EZ Control Hub)	1 x	1 x
	Mystic Light Extension (ARGB V2)	3 x (EZ Control Hub)	3 x	3 x
	Ambient Devices Support	•	•	•
BIOS	Click BIOS X	•	•	•
	64MB BIOS ROM	•	•	•
	AI Boost	•	•	•
	Performance Preset	•	•	•
MSI Center Features	Frozr AI Cooling	•	•	•
	Cooling Wizard	•	•	•
	AI LAN Manager	•	•	•
	Mystic Light (Sync & control)	•	•	•
	Super Charger +	•	•	•
Exclusive Software	AIDA64 Extreme - MSI Edition	•	•	•
	App player	•	•	•
	Adobe Creative Cloud	•	•	
	Dropbox	•	•	•

X870 MPG Series



MPG X870E CARBON MAX WIFI

MPG X870I EDGE TI EVO WIFI

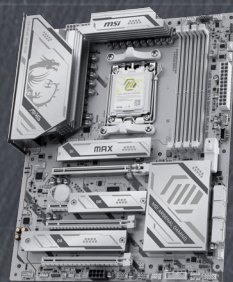
**STRONG PERFORMANCE,
SLEEK DESIGN**

Model Name		MPG X870E CARBON MAX WIFI	MPG X870I EDGE TI EVO WIFI
SPEC	CPU Support	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors
	Chipset	AMD X870E Chipset	AMD X870 Chipset
	CPU Socket	AM5	AM5
	Expansion Slots	1 x PCIe 5.0 x16 slot, 1 x PCIe 5.0 x4 slot, 1 x PCIe 4.0 x4 slot	1 x PCIe 5.0 x16 slot
	Onboard Graphics (Requires Processor Graphics)	2 x USB 4 (Type-C), 1 x HDMI 2.1 FRL - Requires Processor Graphics	2 x USB 4 (Type-C), 1 x HDMI 2.1 (4K@60Hz) - Requires Processor Graphics
	Memory Support	4 DIMMs, Dual Channel DDR5	2 DIMMs, Dual Channel DDR5
	Storage	2 x M.2 PCIe 5.0 x4 slots 2 x M.2 PCIe 4.0 x4 slots 4 x SATA ports	1 x M.2 PCIe 5.0 x4 slot 1 x M.2 PCIe 4.0 x4 slot 1 x M.2 PCIe 4.0 x4 slot via 5-in-1 Xpander Card 2 x SATA ports via 5-in-1 Xpander Card
	USB 40Gbps	2 x USB 40Gbps (2C)	2 x USB 40Gbps (2C)
	USB 20Gbps	1 x USB 20Gbps (1C)	1 x USB 20Gbps (1C) via 5-in-1 Xpander Card
	USB 10Gbps	11 x USB 10Gbps (9A + 2C)	6 x USB 10Gbps (5A + 1C)
	USB 5Gbps	4 x USB 5Gbps (4A)	2 x USB 5Gbps (2A)
	USB 2.0	4 x USB 2.0	2 x USB 2.0
	LAN	1 x Realtek 8126 5G LAN, 1 x Realtek 8125 2.5G LAN	Realtek 8126 5G LAN
	Wi-Fi / BT	Wi-Fi 7, Bluetooth 5.4	Wi-Fi 7, Bluetooth 5.4
	Audio	ALC4080	ALC4080
	Form Factor	ATX	Mini-ITX
	Accessory Cards		5-in-1 Xpander
EZ DIY	EZ M.2 Shield Frozr II / EZ Magnetic M.2 Shield Frozr II	EZ Magnetic M.2 Shield Frozr II	EZ M.2 Shield Frozr II
	EZ M.2 Clip II	•	
	EZ PCIe Release	•	
	Smart Button	•	
	Flash BIOS Button	•	•
	Clear CMOS Button	•	•
	Pre-installed I/O Shield	•	•
	EZ Antenna	•	•
	EZ Front Panel Cable	•	•
	EZ Conn-Design	• (JAF_2)	• (JAF_2)
	PCIe Steel Armor II	•	
	EZ LED	EZ Digi-Debug LED / EZ Debug LED / EZ Memory Detection	EZ Debug LED / EZ Memory Detection
	EZ LED Control	Switch	BIOS
	PinSafe	•	
Thermal Features	Heat-pipe Design	Heat-pipe	
	Extended Heatsink Design	•	•
	M.2 Shield Frozr	4 x (double-sided design)	1x
	MOSFET thermal pad / Extra choke pad	• (K7) / • (K5)	• (K7) / • (K5)
	Fan headers (CPU + Combo+PUMP + SYSTEM)	1+1+0+5	1+1+0+1
Performance	Core Boost	•	•
	VRM Power Design (VCore / SOC / MISC)	18+2+1 (DRPS)	8+2+1 (DRPS)
	Dual CPU Power	2 x 8-pin	1 x 8-pin
	OC Engine	•	
	Direct OC Jumper	•	
	Memory Boost	•	•
	Lightning Gen 5 PCI-E Slot / M.2	2 / 2	1 / 1
	Lightning Gen 4 PCI-E Slot / M.2	1 / 2	0 / 2
	Front USB Type-C	1 x 20Gbps	1 x 20Gbps
	USB with PD	1 x 27W(front)	1 x 27W(front)
	Supplemental PCIe Power Connector	•	
	Server Grade PCB	•	•
	2oz Copper thickened PCB	•	•
Audio	Audio Boost 5	•	•
RGB Support	Mystic Light	•	
	Mystic Light Extension (RGB)	1 x	
	Mystic Light Extension (ARGB V2)	3 x	1 x
	Ambient Devices Support	•	•
BIOS	Click BIOS X	•	•
	64MB BIOS ROM	•	•
	AI Boost	•	•
	Performance Preset	•	•
MSI Center Features	Frozr AI Cooling	•	•
	Cooling Wizard	•	•
	AI LAN Manager	•	•
	Mystic Light (Sync & control)	•	•
	Super Charger +	•	•
Exclusive Software	AIDA64 Extreme - MSI Edition	•	•
	App player	•	•
	Adobe Creative Cloud	•	•
	Dropbox	•	•

X870 MAG Series

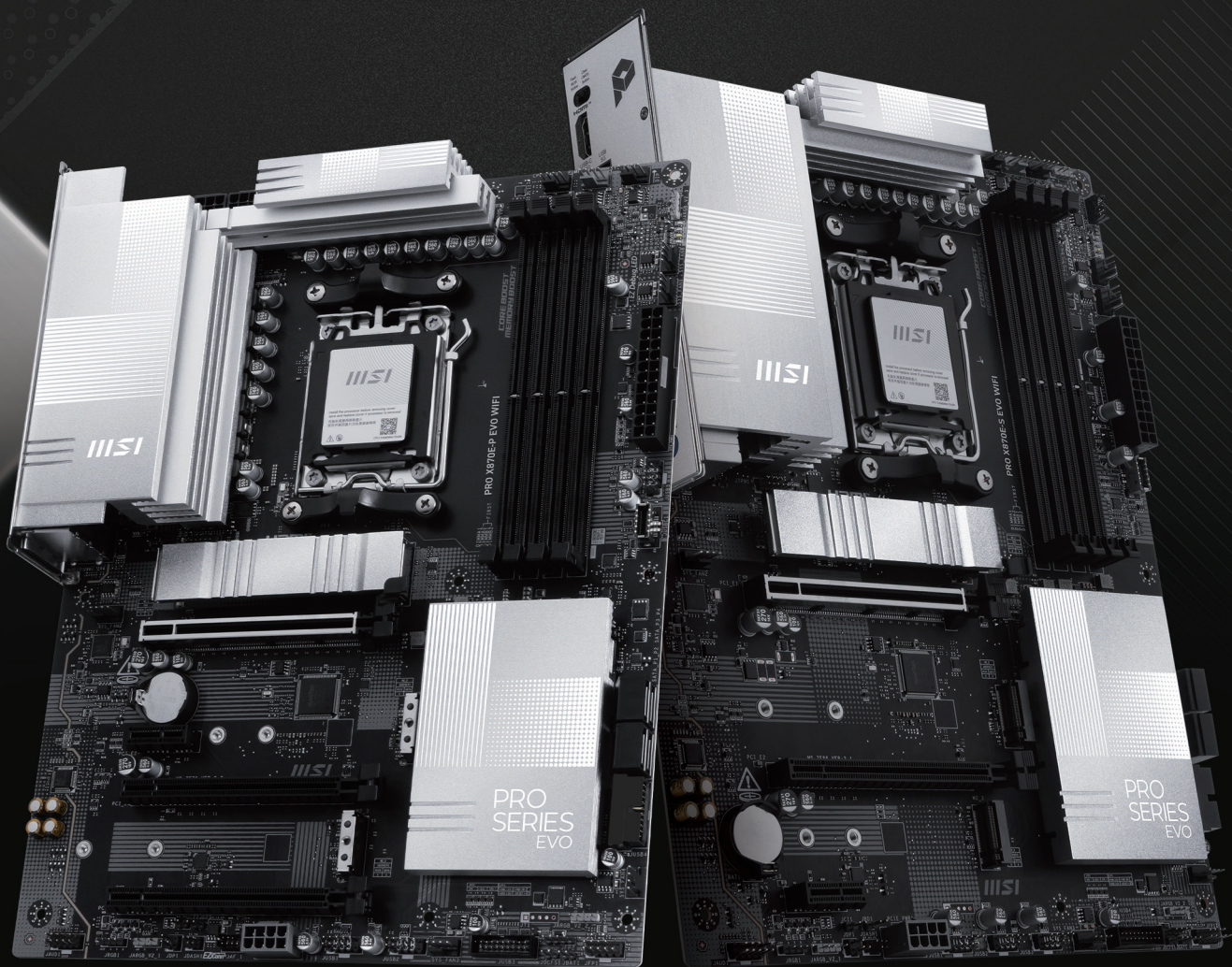


Model Name		MAG X870E TOMAHAWK MAX WIFI	MAG X870E TOMAHAWK MAX WIFI PZ
SPEC	CPU Support	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors
	Chipset	AMD X870E Chipset	AMD X870E Chipset
	CPU Socket	AM5	AM5
	Expansion Slots	1 x PCIe 5.0 x16 slot, 1 x PCIe 4.0 x4 slot, 1 x PCIe 3.0 x1 slot	1 x PCIe 5.0 x16 slot, 1 x PCIe 4.0 x4 slot, 1 x PCIe 3.0 x1 slot
	Onboard Graphics (Requires Processor Graphics)	2 x USB 4 (Type-C), 1 x HDMI 2.1 FRL – Requires Processor Graphics	2 x USB 4 (Type-C), 1 x HDMI 2.1 FRL – Requires Processor Graphics
	Memory Support	4 DIMMs, Dual Channel DDR5	4 DIMMs, Dual Channel DDR5
	Storage	2 x M.2 PCIe 5.0 x4 slots	2 x M.2 PCIe 5.0 x4 slots
		2 x M.2 PCIe 4.0 x4 slots	2 x M.2 PCIe 4.0 x4 slots
		4 x SATA ports	4 x SATA ports
	USB 40Gbps	2 x USB 40Gbps (2C)	2 x USB 40Gbps (2C)
	USB 20Gbps	1 x USB 20Gbps (1C)	1 x USB 20Gbps (1C)
	USB 10Gbps	3 x USB 10Gbps (2A + 1C)	3 x USB 10Gbps (2A + 1C)
	USB 5Gbps	7 x USB 5Gbps (7A)	7 x USB 5Gbps (7A)
	USB 2.0	8 x USB 2.0	8 x USB 2.0
	LAN	Realtek 8126 5G LAN	Realtek 8126 5G LAN
EZ DIY	Wi-Fi / BT	Wi-Fi 7, Bluetooth 5.4	Wi-Fi 7, Bluetooth 5.4
	Audio	ALC4080	ALC4080
	Form Factor	ATX	Back-connect ATX
	EZ M.2 Shield Frozr II / EZ Magnetic M.2 Shield Frozr II	EZ M.2 Shield Frozr II	EZ M.2 Shield Frozr II
	EZ M.2 Clip II	•	•
	EZ PCIe Release	•	•
	Flash BIOS Button	•	•
	Clear CMOS Button	•	•
	Pre-installed I/O Shield	•	•
	EZ Antenna	•	•
Thermal Features	EZ Conn-Design	• (JAF_2)	• (JAF_2)
	PCIe Steel Armor II	•	•
	EZ LED	EZ Digi-Debug LED / EZ Debug LED / EZ Memory Detection	EZ Digi-Debug LED / EZ Debug LED / EZ Memory Detection
	EZ LED Control	BIOS	BIOS
	Extended Heatsink Design	•	•
Performance	M.2 Shield Frozr	4 x (1 double-sided design)	4 x (1 double-sided design)
	MOSFET thermal pad / Extra choke pad	• (K7) / • (K5)	• (K7) / • (K5)
	Fan headers (CPU + Combo + PUMP + SYSTEM)	1+1+0+6	1+1+0+6
	Core Boost	•	•
	VRM Power Design (VCore / SOC / MISC)	14+2+1 (DRPS)	14+2+1 (DRPS)
	Dual CPU Power	2 x 8-pin	2 x 8-pin
	OC Engine	•	•
	Direct OC Jumper	•	•
	Memory Boost	•	•
	Lightning Gen 5 PCI-E Slot / M.2	1 / 2	1 / 2
Audio	Lightning Gen 4 PCI-E Slot / M.2	1 / 2	1 / 2
	Front USB Type-C	1 x 20Gbps	1 x 20Gbps
	USB with PD	1 x 27W(front)	1 x 27W(front)
	Supplemental PCIe Power Connector	•	•
	Server Grade PCB	•	•
RGB Support	2oz Copper thickened PCB	•	•
	Audio Boost 5	•	•
BIOS	Audio Boost		
	Mystic Light		
	Mystic Light Extension (RGB)	1 x	1 x
	Mystic Light Extension (ARGB V2)	3 x	3 x
MSI Center Features	Ambient Devices Support	•	•
	Click BIOS X	•	•
	64MB BIOS ROM	•	•
	AI Boost	•	•
	Performance Preset	•	•
Exclusive Software	Frozr AI Cooling	•	•
	Cooling Wizard	•	•
	AI LAN Manager	•	•
	Mystic Light (Sync & control)	•	•
	Super Charger +	•	•
	AIDA64 Extreme - MSI Edition	•	•
	App player	•	•
	Adobe Creative Cloud	•	•
	Dropbox	•	•



Model Name		MAG X870E GAMING PLUS MAX WIFI	MAG X870E GAMING MAX WIFI
SPEC	CPU Support	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors
	Chipset	AMD X870E Chipset	AMD X870E Chipset
	CPU Socket	AM5	AM5
	Expansion Slots	1 x PCIe 5.0 x16 slot, 1 x PCIe 4.0 x4 slot, 2 x PCIe 3.0 x1 slots	1 x PCIe 5.0 x16 slot, 1 x PCIe 4.0 x4 slot, 1 x PCIe 3.0 x1 slot
	Onboard Graphics (Requires Processor Graphics)	1 x USB 4 (Type-C), 1 x HDMI 2.1 FRL – Requires Processor Graphics	1 x USB 4 (Type-C), 1 x HDMI 2.1 (4k@60Hz) – Requires Processor Graphics
	Memory Support	4 DIMMs, Dual Channel DDR5	4 DIMMs, Dual Channel DDR5
	Storage	1 x M.2 PCIe 5.0 x4 slot 2 x M.2 PCIe 4.0 x4 slots 4 x SATA ports	1 x M.2 PCIe 5.0 x4 slot 2 x M.2 PCIe 4.0 x4 slots 4 x SATA ports
	USB 40Gbps	1 x USB 40Gbps (1C)	1 x USB 40Gbps (1C)
	USB 20Gbps	1 x USB 20Gbps (1C)	1 x USB 20Gbps (1C)
	USB 10Gbps	3 x USB 10Gbps (2A+1C)	3 x USB 10Gbps (2A+1C)
	USB 5Gbps	6 x USB 5Gbps (6A)	6 x USB 5Gbps (6A)
	USB 2.0	10 x USB 2.0	10 x USB 2.0
	LAN	Realtek 8126 5G LAN	Realtek 8126 5G LAN
	Wi-Fi / BT	Wi-Fi 7, Bluetooth 5.4	Wi-Fi 7, Bluetooth 5.4
	Audio	ALC897	ALC897
	Form Factor	ATX	ATX
EZ DIY	EZ M.2 Shield Frozr II / EZ Magnetic M.2 Shield Frozr II	EZ M.2 Shield Frozr II	EZ M.2 Shield Frozr II
	EZ M.2 Clip II	•	•
	EZ PCIe Release	•	•
	Flash BIOS Button	•	•
	Clear CMOS Button	•	•
	Pre-installed I/O Shield	•	•
	EZ Antenna	•	•
	EZ Conn-Design	• (JAF_1)	• (JAF_1)
	PCIe Steel Armor II	•	•
	EZ LED	EZ Debug LED / EZ Memory Detection	EZ Debug LED / EZ Memory Detection
Thermal Features	EZ LED Control	BIOS	BIOS
	Extended Heatsink Design	•	•
	M.2 Shield Frozr	3 x	1 x
	MOSFET thermal pad / Extra choke pad	• (K7) / • (K5)	• (K7) / • (K5)
	Fan headers (CPU + Combo + PUMP + SYSTEM)	1+1+0+6	1+1+0+6
Performance	Core Boost	•	•
	VRM Power Design (VCore / SOC / MISC)	14+2+1 (DRPS)	12+2+1 (DRPS)
	Dual CPU Power	2 x 8-pin	2 x 8-pin
	OC Engine	•	•
	Direct OC Jumper	•	•
	Memory Boost	•	•
	Lightning Gen 5 PCI-E Slot / M.2	1 / 1	1 / 1
	Lightning Gen 4 PCI-E Slot / M.2	1 / 2	1 / 2
	Front USB Type-C	1 x 10Gbps	1 x 10Gbps
	Supplemental PCIe Power Connector	•	•
Audio	Server Grade PCB	•	•
	2oz Copper thickened PCB	•	•
	Audio Boost 5	•	•
RGB Support	Mystic Light	•	•
	Mystic Light Extension (RGB)	1 x	1 x
	Mystic Light Extension (ARGB V2)	3 x	3 x
BIOS	Ambient Devices Support	•	•
	Click BIOS X	•	•
	64MB BIOS ROM	•	•
	AI Boost	•	•
MSI Center Features	Performance Preset	•	•
	Frozr AI Cooling	•	•
	Cooling Wizard	•	•
	AI LAN Manager	•	•
	Mystic Light (Sync & control)	•	•
Exclusive Software	Super Charger +	•	•
	AIDA64 Extreme - MSI Edition	•	•
	App player	•	•
	Adobe Creative Cloud	•	•
	Dropbox	•	•

X870 PRO Series



PRO X870E-P EVO WIFI

PRO X870E-S EVO WIFI

Productivity, **R**eliability, **O**perability

Model Name		PRO X870E-P EVO WIFI	PRO X870E-S EVO WIFI
SPEC	CPU Support	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors
	Chipset	AMD X870E Chipset	AMD X870E Chipset
	CPU Socket	AM5	AM5
	Expansion Slots	1 x PCIe 5.0 x16 slot, 1 x PCIe 4.0 x4 slot, 2 x PCIe 3.0 x1 slots	1 x PCIe 5.0 x16 slot, 1 x PCIe 4.0 x4 slot, 1 x PCIe 3.0 x1 slot
	Onboard Graphics (Requires Processor Graphics)	1 x USB 4 (Type-C), 1 x HDMI 2.1 FRL – Requires Processor Graphics	1 x USB 4 (Type-C), 1 x HDMI 2.1 (4k@60Hz) – Requires Processor Graphics
	Memory Support	4 DIMMs, Dual Channel DDR5	4 DIMMs, Dual Channel DDR5
	Storage	1 x M.2 PCIe 5.0 x4 slot 2 x M.2 PCIe 4.0 x4 slots 4 x SATA ports	1 x M.2 PCIe 5.0 x4 slot 2 x M.2 PCIe 4.0 x4 slots 4 x SATA ports
	USB 40Gbps	1 x USB 40Gbps (1C)	1 x USB 40Gbps (1C)
	USB 20Gbps	1 x USB 20Gbps (1C)	1 x USB 20Gbps (1C)
	USB 10Gbps	3 x USB 10Gbps (2A+1C)	3 x USB 10Gbps (2A+1C)
	USB 5Gbps	6 x USB 5Gbps (6A)	6 x USB 5Gbps (6A)
	USB 2.0	10 x USB 2.0	10 x USB 2.0
	LAN	Realtek 8126 5G LAN	Realtek 8126 5G LAN
	Wi-Fi / BT	Wi-Fi 7, Bluetooth 5.4	Wi-Fi 7, Bluetooth 5.4
	Audio	ALC897	ALC897
	Form Factor	ATX	ATX
EZ DIY	EZ M.2 Shield Frozr II / EZ Magnetic M.2 Shield Frozr II	EZ M.2 Shield Frozr II	EZ M.2 Shield Frozr II
	EZ M.2 Clip II	•	•
	EZ PCIe Clip II	•	•
	Flash BIOS Button	•	•
	Clear CMOS Button	•	•
	Pre-installed I/O Shield	•	•
	EZ Antenna	•	•
	EZ Conn-Design	• (JAF_1)	• (JAF_1)
	EZ LED	EZ Debug LED / EZ Memory Detection	EZ Debug LED / EZ Memory Detection
	EZ LED Control	BIOS	BIOS
Thermal Features	Extended Heatsink Design	•	•
	M.2 Shield Frozr	1 x	1 x
	MOSFET thermal pad / Extra choke pad	• (K7) / • (K5)	• (K7) / • (K5)
	Fan headers (CPU + Combo + PUMP + SYSTEM)	1+1+0+6	1+1+0+6
Performance	Core Boost	•	•
	VRM Power Design (VCore / SOC / MISC)	14+2+1 (DRPS)	12+2+1 (DRPS)
	Dual CPU Power	2 x 8-pin	2 x 8-pin
	OC Engine		
	Direct OC Jumper		
	Memory Boost	•	•
	Lightning Gen 5 PCI-E Slot / M.2	1 / 1	1 / 1
	Lightning Gen 4 PCI-E Slot / M.2	1 / 2	1 / 2
	Front USB Type-C	1 x 10Gbps	1 x 10Gbps
	Supplemental PCIe Power Connector	•	•
	Server Grade PCB	•	•
	2oz Copper thickened PCB	•	•
Audio	Audio Boost	•	•
RGB Support	Mystic Light		
	Mystic Light Extension (RGB)	1 x	1 x
	Mystic Light Extension (ARGB V2)	3 x	3 x
	Ambient Devices Support	•	•
BIOS	Click BIOS X	•	•
	64MB BIOS ROM	•	•
	AI Boost	•	•
	Performance Preset	•	•
MSI Center Features	Frozr AI Cooling	•	•
	Cooling Wizard	•	•
	AI LAN Manager	•	•
	Mystic Light (Sync & control)	•	•
	Super Charger +		
Exclusive Software	AIDA64 Extreme - MSI Edition	•	•
	App player		
	Adobe Creative Cloud	•	•
	Dropbox	•	•

B850 MPG Series



MPG B850M EDGE TI MAX WIFI

**STRONG PERFORMANCE,
SLEEK DESIGN**

Model Name		MPG B850M EDGE TI MAX WIFI
SPEC	CPU Support	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors
	Chipset	AMD B850 Chipset
	CPU Socket	AM5
	Expansion Slots	1 x PCIe 5.0 x16 slot
	Onboard Graphics (Requires Processor Graphics)	1 x HDMI 2.1 FRL – Requires Processor Graphics
	Memory Support	4 DIMMs, Dual Channel DDR5
	Storage	2 x M.2 PCIe 5.0 x4 slots 2 x M.2 PCIe 4.0 x4 slots 2 x SATA ports
	USB 20Gbps	1 x USB 20Gbps (1C)
	USB 10Gbps	7 x USB 10Gbps (4A+3C)
	USB 5Gbps	6 x USB 5Gbps (6A)
	USB 2.0	4 x USB 2.0
	LAN	Realtek 8126 5G LAN
	Wi-Fi / BT	Wi-Fi 7, Bluetooth 5.4
	Audio	ALC4080
	Form Factor	mATX
EZ DIY	EZ M.2 Shield Frozr II / EZ Magnetic M.2 Shield Frozr II	EZ M.2 Shield Frozr II
	EZ M.2 Clip II	•
	EZ PCIe Release	•
	EZ PCIe Clip II	
	Flash BIOS Button	•
	Clear CMOS Button	•
	Pre-installed I/O Shield	•
	EZ Antenna	•
	EZ Conn-Design	• (JAF_2)
	PCIe Steel Armor II	•
	EZ LED	EZ Digi-Debug LED / EZ Debug LED / EZ Memory Detection
	EZ LED Control	Switch
Thermal Features	Extended Heatsink Design	•
	M.2 Shield Frozr	3 x (2 double-sided design)
	MOSFET thermal pad / Extra choke pad	• (K7) / • (K5)
	Fan headers (CPU + Combo + PUMP + SYSTEM)	1+1+0+4
Performance	Core Boost	•
	VRM Power Design (VCore / SOC / MISC)	14+2+1 (DRPS)
	Dual CPU Power	2 x 8-pin
	OC Engine	•
	Direct OC Jumper	•
	Memory Boost	•
	Lightning Gen 5 PCI-E Slot / M.2	1 / 2
	Lightning Gen 4 PCI-E Slot / M.2	0 / 2
	Front USB Type-C	1 x 20Gbps
	Supplemental PCIe Power Connector	
	Server Grade PCB	•
	2oz Copper thickened PCB	•
Audio	Audio Boost 5	•
	Audio Boost	
RGB Support	Mystic Light	•
	Mystic Light Extension (RGB)	
	Mystic Light Extension (ARGB V2)	3 x
	Ambient Devices Support	•
BIOS	Click BIOS X	•
	64MB BIOS ROM	•
	AI Boost	•
	Performance Preset	•
MSI Center Features	Frozr AI Cooling	•
	Cooling Wizard	•
	AI LAN Manager	•
	Mystic Light (Sync & control)	•
	Super Charger +	
Exclusive Software	AIDA64 Extreme - MSI Edition	•
	App player	•
	Adobe Creative Cloud	•
	Dropbox	•

B850 MAG Series



Model Name		MAG B850 TOMAHAWK MAX WIFI II	MAG B850 GAMING PLUS MAX WIFI
SPEC	CPU Support	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors
	Chipset	AMD B850 Chipset	AMD B850 Chipset
	CPU Socket	AM5	AM5
	Expansion Slots	1 x PCIe 5.0 x16 slot, 1 x PCIe 4.0 x4 slot, 1 x PCIe 3.0 x1 slot	1 x PCIe 5.0 x16 slot, 1 x PCIe 4.0 x4 slot, 2 x PCIe 3.0 x1 slots
	Onboard Graphics (Requires Processor Graphics)	1 x HDMI 2.1 FRL - Requires Processor Graphics	1 x DP1.2 - Requires Processor Graphics
	Memory Support	4 DIMMs, Dual Channel DDR5	4 DIMMs, Dual Channel DDR5
	Storage	2 x M.2 PCIe 5.0 x4 128Gbps slots 1 x M.2 PCIe 4.0 x4 64Gbps slot 1 x M.2 PCIe 4.0 x2 32Gbps slot 4 x SATA ports	1 x M.2 PCIe 5.0 x4 slot 1 x M.2 PCIe 4.0 x4 slot 1 x M.2 PCIe 4.0 x2 slot 4 x SATA ports
	USB 20Gbps	1 x USB 20Gbps (1C)	
	USB 10Gbps	5 x USB 10Gbps (2A+3C)	3 x USB 10Gbps (1A+2C)
	USB 5Gbps	5 x USB 5Gbps (5A)	6 x USB 5Gbps (5A+1C)
	USB 2.0	8 x USB 2.0	8 x USB 2.0
	LAN	Realtek 8126 5G LAN	Realtek 8126 5G LAN
	Wi-Fi / BT	Wi-Fi 7, Bluetooth 5.4	Wi-Fi 7, Bluetooth 5.4
	Audio	ALC4080	ALC897
	Form Factor	ATX	ATX
EZ DIY	EZ M.2 Shield Frozr II / EZ Magnetic M.2 Shield Frozr II	EZ M.2 Shield Frozr II	EZ M.2 Shield Frozr II
	EZ M.2 Clip II	•	•
	EZ PCIe Release	•	•
	EZ PCIe Clip II		
	Flash BIOS Button	•	•
	Clear CMOS Button	•	•
	Pre-installed I/O Shield	•	•
	EZ Antenna	•	•
	EZ Conn-Design	• (JAF_2)	• (JAF_1)
	PCIe Steel Armor II	•	•
	EZ LED	EZ Digi-Debug LED / EZ Debug LED / EZ Memory Detection	EZ Debug LED / EZ Memory Detection
Thermal Features	EZ LED Control	BIOS	BIOS
	Extended Heatsink Design	•	•
	M.2 Shield Frozr	4 x (1 double-sided design)	1 x
	MOSFET thermal pad / Extra choke pad	• (K7) / • (K5)	• (K7) / • (K5)
Performance	Fan headers (CPU + Combo + PUMP + SYSTEM)	1+1+0+6	1+1+0+4
	Core Boost	•	•
	VRM Power Design (VCore / SOC / MISC)	14+2+1 (DRPS)	12+2+1 (DRPS)
	Dual CPU Power	2 x 8-pin	2 x 8-pin
	OC Engine	•	•
	Direct OC Jumper	•	•
	Memory Boost	•	•
	Lightning Gen 5 PCI-E Slot / M.2	1 / 2	1 / 1
	Lightning Gen 4 PCI-E Slot / M.2	1 / 2	1 / 2
	Front USB Type-C	1 x 20Gbps	1 x 5Gbps
	Supplemental PCIe Power Connector	•	•
	Server Grade PCB	•	•
Audio	2oz Copper thickened PCB	•	•
	Audio Boost 5	•	•
RGB Support	Audio Boost		•
	Mystic Light		
	Mystic Light Extension (RGB)	1 x	1 x
BIOS	Mystic Light Extension (ARGB V2)	3 x	3 x
	Ambient Devices Support	•	•
	Click BIOS X	•	•
	64MB BIOS ROM	•	•
MSI Center Features	AI Boost	•	•
	Performance Preset	•	•
	Frozr AI Cooling	•	•
	Cooling Wizard	•	•
	AI LAN Manager	•	•
Exclusive Software	Mystic Light (Sync & control)	•	•
	Super Charger +		
	AIDA64 Extreme - MSI Edition	•	•
	App player	•	•
	Adobe Creative Cloud	•	•
	Dropbox	•	•

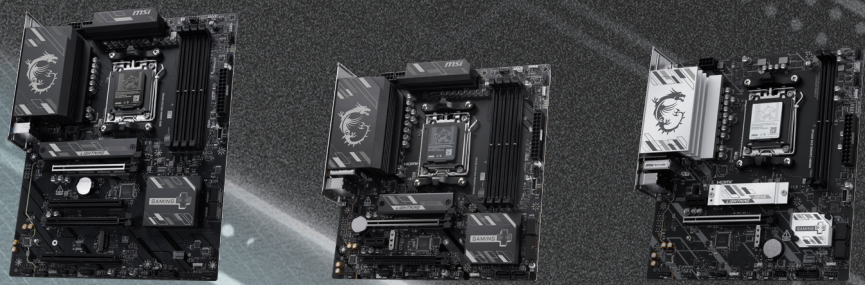


Model Name		MAG B850 GAMING PLUS MAX WIFI S	MAG B850M MORTAR MAX WIFI
SPEC	CPU Support	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors
	Chipset	AMD B850 Chipset	AMD B850 Chipset
	CPU Socket	AM5	AM5
	Expansion Slots	1 x PCIe 5.0 x16 slot, 1 x PCIe 4.0 x4 slot, 2 x PCIe 3.0 x1 slots	1 x PCIe 5.0 x16 slot, 1 x PCIe 4.0 x4 slot
	Onboard Graphics (Requires Processor Graphics)	1 x DP1.2 - Requires Processor Graphics	1 x HDMI 2.1 FRL - Requires Processor Graphics
	Memory Support	4 DIMMs, Dual Channel DDR5	4 DIMMs, Dual Channel DDR5
	Storage	1 x M.2 PCIe 5.0 x4 slot 1 x M.2 PCIe 4.0 x4 slot 1 x M.2 PCIe 4.0 x2 slot 4 x SATA ports	2 x M.2 PCIe 5.0 x4 slots 2 x M.2 PCIe 4.0 x2 slots 2 x SATA ports
	USB 20Gbps		1 x USB 20Gbps (1C)
	USB 10Gbps	3 x USB 10Gbps (1A+2C)	5 x USB 10Gbps (3A+2C)
	USB 5Gbps	6 x USB 5Gbps (5A+1C)	6 x USB 5Gbps (6A)
	USB 2.0	8 x USB 2.0	4 x USB 2.0
	LAN	Realtek 8126 5G LAN	5G LAN
	Wi-Fi / BT	Wi-Fi 7, Bluetooth 5.4	Wi-Fi 7, Bluetooth 5.4
	Audio	ALC897	ALC4080
	Form Factor	ATX	mATX
EZ DIY	EZ M.2 Shield Frozr II / EZ Magnetic M.2 Shield Frozr II	EZ M.2 Shield Frozr II	EZ M.2 Shield Frozr II
	EZ M.2 Clip II	•	•
	EZ PCIe Release	•	•
	EZ PCIe Clip II		
	Flash BIOS Button	•	•
	Clear CMOS Button		•
	Pre-installed I/O Shield	•	•
	EZ Antenna	•	•
	EZ Conn-Design	• (JAF_1)	• (JAF_1)
	PCIe Steel Armor II	•	•
	EZ LED	EZ Debug LED / EZ Memory Detection	EZ Debug LED / EZ Memory Detection
Thermal Features	EZ LED Control	BIOS	BIOS
	Extended Heatsink Design	•	•
	M.2 Shield Frozr	1 x	2 x
	MOSFET thermal pad / Extra choke pad	• (K7) / • (K5)	• (K7) / • (K5)
	Fan headers (CPU + Combo + PUMP + SYSTEM)	1+1+0+4	1+1+0+4
Performance	Core Boost	•	•
	VRM Power Design (VCore / SOC / MISC)	12+2+1 (DRPS)	12+2+1 (DRPS)
	Dual CPU Power	2 x 8-pin	2 x 8-pin
	OC Engine	•	•
	Direct OC Jumper	•	•
	Memory Boost	•	•
	Lightning Gen 5 PCI-E Slot / M.2	1 / 1	1 / 2
	Lightning Gen 4 PCI-E Slot / M.2	1 / 2	1 / 1
	Front USB Type-C	1 x 5Gbps	1 x 10Gbps
	Supplemental PCIe Power Connector	•	•
	Server Grade PCB	•	•
Audio	2oz Copper thickened PCB	•	•
	Audio Boost 5		•
RGB Support	Audio Boost	•	
	Mystic Light		
	Mystic Light Extension (RGB)	1 x	1 x
BIOS	Mystic Light Extension (ARGB V2)	3 x	3 x
	Ambient Devices Support	•	•
	Click BIOS X	•	•
	64MB BIOS ROM	•	•
	AI Boost	•	•
MSI Center Features	Performance Preset	•	•
	Frozr AI Cooling	•	•
	Cooling Wizard	•	•
	AI LAN Manager	•	•
	Mystic Light (Sync & control)	•	•
Exclusive Software	Super Charger +		
	AIDA64 Extreme - MSI Edition	•	•
	App player		•
	Adobe Creative Cloud	•	•
	Dropbox	•	•

B850 MAG Series

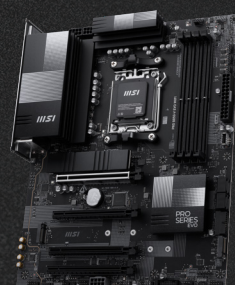


Model Name		MAG B850M GAMING PLUS MAX WIFI	MAG B850M GAMING PRO MAX WIFI
SPEC	CPU Support	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors	
	Chipset	AMD B850 Chipset	
	CPU Socket	AM5	
	Expansion Slots	1 x PCIe 5.0 x16 slot, 1 x PCIe 3.0 x1 slot	1 x PCIe 5.0 x16 slot, 1 x PCIe 4.0 x4 slot
	Onboard Graphics (Requires Processor Graphics)	1 x DP1.4, 1 x HDMI 2.1 (4k@60Hz) - Requires Processor Graphics	1 x DP1.4, 1 x HDMI 2.1 (4k@60Hz) - Requires Processor Graphics
	Memory Support	4 DIMMs, Dual Channel DDR5	
	Storage	1 x M.2 PCIe 5.0 x4 slot 2 x M.2 PCIe 4.0 x4 slot 4 x SATA ports	1 x M.2 PCIe 5.0 x4 slot 1 x M.2 PCIe 4.0 x4 slot 1 x M.2 PCIe 4.0 x2 slot 4 x SATA ports
	USB 20Gbps		
	USB 10Gbps	5 x USB 10Gbps (3A+2C)	6 x USB 10Gbps (3A+3C)
	USB 5Gbps	6 x USB 5Gbps (6A)	5 x USB 5Gbps (5A)
	USB 2.0	4 x USB 2.0	4 x USB 2.0
	LAN	5G LAN	Realtek 8126 5G LAN
	Wi-Fi / BT	Wi-Fi 7, Bluetooth 5.4	Wi-Fi 7, Bluetooth 5.4
	Audio	ALC897	ALC897
	Form Factor	mATX	
EZ DIY	EZ M.2 Shield Frozr II / EZ Magnetic M.2 Shield Frozr II		EZ M.2 Shield Frozr II
	EZ M.2 Clip II	•	•
	EZ PCIe Release		
	EZ PCIe Clip II	•	•
	Flash BIOS Button	•	•
	Clear CMOS Button	•	•
	Pre-installed I/O Shield	•	•
	EZ Antenna	•	•
	EZ Conn-Design	• (JAF_1)	• (JAF_1)
	PCIe Steel Armor II		
	EZ LED	EZ Debug LED / EZ Memory Detection	EZ Debug LED / EZ Memory Detection
	EZ LED Control	BIOS	BIOS
Thermal Features	Extended Heatsink Design	•	•
	M.2 Shield Frozr	2 x	2 x
	MOSFET thermal pad / Extra choke pad	• (K7) / • (K5)	• (K7) / • (K5)
	Fan headers (CPU + Combo + PUMP + SYSTEM)	1+1+0+3	1+1+0+3
Performance	Core Boost	•	•
	VRM Power Design (VCore / SOC / MISC)	10+2+1 (DRPS)	8+2+1 (Direct)
	Dual CPU Power	2 x 8-pin	1 x 8-pin + 1 x 4-pin
	OC Engine	•	•
	Direct OC Jumper	•	•
	Memory Boost	•	•
	Lightning Gen 5 PCI-E Slot / M.2	1 / 1	1 / 1
	Lightning Gen 4 PCI-E Slot / M.2	- / 2	1 / 1
	Front USB Type-C	1 x 10Gbps	1 x 10Gbps
	Supplemental PCIe Power Connector		•
	Server Grade PCB	•	•
	2oz Copper thickened PCB	•	•
Audio	Audio Boost 5		
	Audio Boost	•	•
RGB Support	Mystic Light		
	Mystic Light Extension (RGB)	1 x	1 x
	Mystic Light Extension (ARGB V2)	3 x	3 x
	Ambient Devices Support	•	•
BIOS	Click BIOS X	•	•
	64MB BIOS ROM	•	•
	AI Boost	•	•
	Performance Preset	•	•
MSI Center Features	Frozr AI Cooling	•	•
	Cooling Wizard	•	•
	AI LAN Manager	•	•
	Mystic Light (Sync & control)	•	•
	Super Charger +		
Exclusive Software	AIDA64 Extreme - MSI Edition	•	•
	App player		
	Adobe Creative Cloud	•	•
	Dropbox	•	•



Model Name		B850 GAMING PRO EVO WIFI6E	B850M GAMING PRO EVO WIFI6E	B850M GAMING EVO WIFI6E
SPEC	CPU Support	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors
	Chipset	AMD B850 Chipset	AMD B850 Chipset	AMD B850 Chipset
	CPU Socket	AM5	AM5	AM5
	Expansion Slots	1 x PCIe 4.0 x16 slot, 1 x PCIe 4.0 x4 slot, 2 x PCIe 3.0 x1 slots	1 x PCIe 4.0 x16 slot, 1 x PCIe 4.0 x4 slot, 1 x PCIe 3.0 x1 slot	1 x PCIe 4.0 x16 slot, 1 x PCIe 3.0 x1 slot
	Onboard Graphics (Requires Processor Graphics)	1 x DP1.4, 1 x HDMI 2.1 (4k@60Hz) - Requires Processor Graphics	1 x DP1.4, 1 x HDMI 2.1 (4k@60Hz) - Requires Processor Graphics	1 x DP1.4, 1 x HDMI 2.1 (4k@60Hz) - Requires Processor Graphics
	Memory Support	4 DIMMs, Dual Channel DDR5	4 DIMMs, Dual Channel DDR5	2 DIMMs, Dual Channel DDR5
	Storage	1 x M.2 PCIe 5.0 x4 slot 1 x M.2 PCIe 4.0 x4 slot 4 x SATA ports	1 x M.2 PCIe 5.0 x4 128Gbps slot 1 x M.2 PCIe 4.0 x4 64Gbps slot 4 x SATA 6Gbps ports	1 x M.2 PCIe 5.0 x4 slot 1 x M.2 PCIe 4.0 x4 slot 4 x SATA ports
	USB 20Gbps			
	USB 10Gbps	5 x USB 10Gbps (3A+2C)	5 x USB 10Gbps (3A+2C)	1 x USB 10Gbps (1C)
	USB 5Gbps	6 x USB 5Gbps (6A)	6 x USB 5Gbps (6A)	5 x USB 5Gbps (5A)
	USB 2.0	4 x USB 2.0	4 x USB 2.0	6 x USB 2.0
	LAN	Realtek RTL8125D 2.5G LAN	Realtek 8125D 2.5G LAN	Realtek 8125D 2.5G LAN
	Wi-Fi / BT	Wi-Fi 6E, Bluetooth 5.3	Wi-Fi 6E, Bluetooth 5.3	Wi-Fi 6E, Bluetooth 5.3
	Audio	ALC897	ALC897	ALC897
	Form Factor	ATX	mATX	mATX
EZ DIY	EZ M.2 Shield Frozr II / EZ Magnetic M.2 Shield Frozr II			
	EZ M.2 Clip II	•	•	•
	EZ PCIe Release			
	EZ PCIe Clip II	•	•	•
	Flash BIOS Button	•	•	•
	Clear CMOS Button	•	•	•
	Pre-installed I/O Shield	•	•	•
	EZ Antenna	•	•	•
	EZ Conn-Design	• (JAF_1)	• (JAF_1)	• (JAF_1)
	PCIe Steel Armor II			
Thermal Features	EZ LED	EZ Debug LED / EZ Memory Detection	EZ Debug LED / EZ Memory Detection	EZ Debug LED / EZ Memory Detection
	EZ LED Control	BIOS	BIOS	BIOS
	Extended Heatsink Design	•	•	•
	M.2 Shield Frozr	1 x	1 x	1 x
	MOSFET thermal pad / Extra choke pad	• (K7) / • (K5)	• (K7) / • (K5)	• (K7) / • (K5)
Performance	Fan headers (CPU + Combo + PUMP + SYSTEM)	1+1+0+4	1+1+0+3	1+1+0+3
	Core Boost	•	•	•
	VRM Power Design (VCore / SOC / MISC)	12+2+1 (DRPS)	8+2+1 (DRPS)	8+2+1 (DRPS)
	Dual CPU Power	2 x 8-pin	2 x 8-pin	1 x 8-pin
	OC Engine			
	Direct OC Jumper			
	Memory Boost	•	•	•
	Lightning Gen 5 PCI-E Slot / M.2	- / 1	- / 1	- / 1
	Lightning Gen 4 PCI-E Slot / M.2	2 / 1	2 / 1	2 / 1
	Front USB Type-C	1 x 10Gbps	1 x 10Gbps	1 x 10Gbps
	Supplemental PCIe Power Connector			
	Server Grade PCB	•	•	•
Audio	2oz Copper thickened PCB	•	•	•
	Audio Boost 5			
RGB Support	Mystic Light			
	Mystic Light Extension (RGB)	1 x	1 x	1 x
	Mystic Light Extension (ARGB V2)	3 x	3 x	3 x
BIOS	Ambient Devices Support	•	•	•
	Click BIOS X	•	•	•
	64MB BIOS ROM	•	•	•
	AI Boost	•	•	•
MSI Center Features	Performance Preset	•	•	•
	Frozr AI Cooling	•	•	•
	Cooling Wizard	•	•	•
	AI LAN Manager	•	•	•
	Mystic Light (Sync & control)	•	•	•
Exclusive Software	Super Charger +			
	AIDA64 Extreme - MSI Edition	•	•	•
	App player			
	Adobe Creative Cloud	•	•	•
	Dropbox	•	•	•

B850 PRO Series

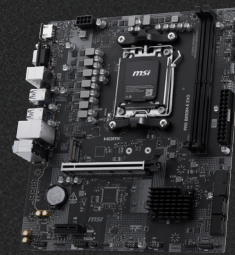


Model Name		PRO B850-P EVO WIFI	PRO B850-V EVO WIFI
SPEC	CPU Support	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors
	Chipset	AMD B850 Chipset	AMD B850 Chipset
	CPU Socket	AM5	AM5
	Expansion Slots	1 x PCIe 5.0 x16 slot, 1 x PCIe 4.0 x4 slot, 2 x PCIe 3.0 x1 slots	1 x PCIe 5.0 x16 slot, 1 x PCIe 4.0 x4 slot, 2 x PCIe 3.0 x1 slots
	Onboard Graphics (Requires Processor Graphics)	1 x HDMI 2.1 - Requires Processor Graphics	1 x HDMI 2.1 - Requires Processor Graphics
	Memory Support	4 DIMMs, Dual Channel DDR5	4 DIMMs, Dual Channel DDR5
	Storage	1 x M.2 PCIe 5.0 x4 slot 1 x M.2 PCIe 4.0 x4 slot 1 x M.2 PCIe 4.0 x2 slot 4 x SATA ports	1 x M.2 PCIe 5.0 x4 slot 1 x M.2 PCIe 4.0 x4 slot 1 x M.2 PCIe 4.0 x2 slot 4 x SATA ports
	USB 20Gbps		
	USB 10Gbps	3 x USB 10Gbps (1A+2C)	4 x USB 10Gbps (2A+2C)
	USB 5Gbps	6 x USB 5Gbps (5A+1C)	5 x USB 5Gbps (5A)
	USB 2.0	8 x USB 2.0	8 x USB 2.0
	LAN	Realtek 8126 5G LAN	Realtek 8126 5G LAN
	Wi-Fi / BT	Wi-Fi 7, Bluetooth 5.4	Wi-Fi 7, Bluetooth 5.4
	Audio	ALC897	ALC897
	Form Factor	ATX	ATX
EZ DIY	EZ M.2 Shield Frozr II / EZ Magnetic M.2 Shield Frozr II	EZ M.2 Shield Frozr II	EZ M.2 Shield Frozr II
	EZ M.2 Clip II	•	•
	EZ PCIe Clip II	•	•
	Flash BIOS Button	•	•
	Clear CMOS Button	•	•
	Pre-installed I/O Shield	•	•
	EZ Antenna	•	•
	EZ Conn-Design		
	EZ LED	EZ Debug LED / EZ Memory Detection	EZ Debug LED / EZ Memory Detection
	EZ LED Control	BIOS	BIOS
Thermal Features	Extended Heatsink Design	•	•
	M.2 Shield Frozr	1 x	1 x
	MOSFET thermal pad / Extra choke pad	• (K7) / • (K5)	• (K7) / • (K5)
	Fan headers (CPU + Combo + PUMP + SYSTEM)	1+1+0+4	1+1+0+4
Performance	Core Boost	•	•
	VRM Power Design (VCore / SOC / MISC)	12+2+1 (DRPS)	12+2+1 (DRPS)
	Dual CPU Power	2 x 8-pin	2 x 8-pin
	OC Engine		
	Direct OC Jumper		
	Memory Boost	•	•
	Lightning Gen 5 PCI-E Slot / M.2	1 / 1	1 / 1
	Lightning Gen 4 PCI-E Slot / M.2	1 / 2	1 / 2
	Front USB Type-C	1 x 5Gbps	1 x 10Gbps
	Supplemental PCIe Power Connector	•	•
	Server Grade PCB	•	•
	2oz Copper thickened PCB	•	•
Audio	Audio Boost 5		
	Audio Boost	•	•
RGB Support	Mystic Light		
	Mystic Light Extension (RGB)	1 x	1 x
	Mystic Light Extension (ARGB V2)	3 x	3 x
BIOS	Ambient Devices Support	•	•
	Click BIOS X	•	•
	64MB BIOS ROM	•	•
	AI Boost	•	•
	Performance Preset	•	•
MSI Center Features	Frozr AI Cooling	•	•
	Cooling Wizard	•	•
	AI LAN Manager	•	•
	Mystic Light (Sync & control)	•	•
	Super Charger +		
Exclusive Software	AIDA64 Extreme - MSI Edition	•	•
	App player		
	Adobe Creative Cloud	•	•
	Dropbox	•	•

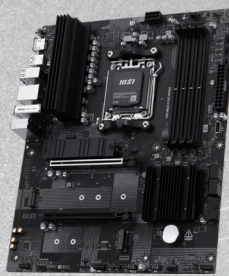


Model Name		PRO B850-S EVO WIFI	PRO B850M-A EVO WIFI
SPEC	CPU Support	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors
	Chipset	AMD B850 Chipset	AMD B850 Chipset
	CPU Socket	AM5	AM5
	Expansion Slots	1 x PCIe 5.0 x16 slot, 1 x PCIe 4.0 x4 slot	1 x PCIe 5.0 x16 slot, 1 x PCIe 4.0 x4 slot, 1 x PCIe 3.0 x1 slot
	Onboard Graphics (Requires Processor Graphics)	1 x HDMI 2.1, 1 x DisplayPort 1.4 - Requires Processor Graphics	1 x DP1.4, 1 x HDMI 2.1 (4k@60Hz) - Requires Processor Graphics
	Memory Support	4 DIMMs, Dual Channel DDR5	4 DIMMs, Dual Channel DDR5
	Storage	1 x M.2 PCIe 5.0 x4 slot 1 x M.2 PCIe 4.0 x4 slot 1 x M.2 PCIe 4.0 x2 slot 4 x SATA ports	1 x M.2 PCIe 5.0 x4 slot 1 x M.2 PCIe 4.0 x4 slot 4 x SATA ports
	USB 20Gbps		
	USB 10Gbps	4 x USB 10Gbps (2A+2C)	6 x USB 10Gbps (3A+3C)
	USB 5Gbps	4 x USB 5Gbps (4A)	5 x USB 5Gbps (5A)
	USB 2.0	8 x USB 2.0	4 x USB 2.0
	LAN	Realtek 8126 5G LAN	Realtek 8126 5G LAN
	Wi-Fi / BT	Wi-Fi 7, Bluetooth 5.4	Wi-Fi 7, Bluetooth 5.4
	Audio	ALC897	ALC897
	Form Factor	ATX	mATX
EZ DIY	EZ M.2 Shield Frozr II / EZ Magnetic M.2 Shield Frozr II		EZ M.2 Shield Frozr II
	EZ M.2 Clip II		•
	EZ PCIe Clip II	•	•
	Flash BIOS Button	•	•
	Clear CMOS Button	•	•
	Pre-installed I/O Shield		•
	EZ Antenna	•	•
	EZ Conn-Design		
	EZ LED	EZ Debug LED / EZ Memory Detection	EZ Debug LED / EZ Memory Detection
	EZ LED Control	BIOS	BIOS
Thermal Features	Extended Heatsink Design		•
	M.2 Shield Frozr	1 x	1 x
	MOSFET thermal pad / Extra choke pad	• (K7) / • (K5)	• (K7) / • (K5)
	Fan headers (CPU + Combo + PUMP + SYSTEM)	1+1+0+3	1+1+0+3
Performance	Core Boost	•	•
	VRM Power Design (VCore / SOC / MISC)	12+2+1 (DRPS)	8+2+1 (Direct)
	Dual CPU Power	1 x 8-pin + 1 x 4-pin	1 x 8-pin + 1 x 4-pin
	OC Engine		
	Direct OC Jumper		
	Memory Boost	•	•
	Lightning Gen 5 PCI-E Slot / M.2	1 / 1	1 / 1
	Lightning Gen 4 PCI-E Slot / M.2	1 / 2	1 / 1
	Front USB Type-C	1 x 10Gbps	1 x 10Gbps
	Supplemental PCIe Power Connector	•	•
	Server Grade PCB	•	•
	2oz Copper thickened PCB	•	•
Audio	Audio Boost 5		
	Audio Boost	•	•
RGB Support	Mystic Light		
	Mystic Light Extension (RGB)	1 x	1 x
	Mystic Light Extension (ARGB V2)	3 x	3 x
BIOS	Ambient Devices Support	•	•
	Click BIOS X	•	•
	64MB BIOS ROM	•	•
	AI Boost	•	•
	Performance Preset	•	•
MSI Center Features	Frozr AI Cooling	•	•
	Cooling Wizard	•	•
	AI LAN Manager	•	•
	Mystic Light (Sync & control)	•	•
	Super Charger +		
Exclusive Software	AIDA64 Extreme - MSI Edition	•	•
	App player		
	Adobe Creative Cloud Dropbox	• •	• •

B850 PRO Series



Model Name		PRO B850M-P EVO WIFI	PRO B850M-X EVO	PRO B850M-E EVO
SPEC	CPU Support	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors
	Chipset	AMD B850 Chipset	AMD B850 Chipset	AMD B850 Chipset
	CPU Socket	AM5	AM5	AM5
	Expansion Slots	1 x PCIe 5.0 x16 slot, 3 x PCIe 3.0 x1 slots	1 x PCIe 5.0 x16 slot, 1 x PCIe 4.0 x4 slot	1 x PCIe 5.0 x16 slot, 1 x PCIe 3.0 x1 slot
	Onboard Graphics (Requires Processor Graphics)	1 x DP1.2, 1 x HDMI 2.1 (4k@60Hz) - Requires Processor Graphics*	1 x HDMI 2.1 (4k@60Hz) - Requires Processor Graphics	1 x HDMI 2.1, 1 x VGA - Requires Processor Graphics
	Memory Support	4 DIMMs, Dual Channel DDR5	2 DIMMs, Dual Channel DDR5	2 DIMMs, Dual Channel DDR5
	Storage	1 x M.2 PCIe 5.0 x4 slot 1 x M.2 PCIe 4.0 x4 slot 1 x M.2 PCIe 4.0 x2 slot 4 x SATA ports	1 x M.2 PCIe 5.0 x4 slot 4 x SATA ports	1 x M.2 PCIe 5.0 x4 slot 4 x SATA ports
	USB 20Gbps			
	USB 10Gbps	3 x USB 10Gbps (1A+2C)	1 x USB 10Gbps (1C)	
	USB 5Gbps	6 x USB 5Gbps (6A)	6 x USB 5Gbps (6A)	6 x USB 5Gbps (6A)
	USB 2.0	8 x USB 2.0	8 x USB 2.0	6 x USB 2.0
	LAN	Realtek 8126 5G LAN	Realtek 8126 5G LAN	Realtek 8125D 2.5G LAN
	Wi-Fi / BT	Wi-Fi 7, Bluetooth 5.4		
	Audio	ALC897	ALC897	ALC897
	Form Factor	mATX	mATX	mATX
EZ DIY	EZ M.2 Shield Frozr II / EZ Magnetic M.2 Shield Frozr II	EZ M.2 Shield Frozr II		
	EZ M.2 Clip II	•		•
	EZ PCIe Clip II	•	•	
	Flash BIOS Button	•	•	
	Clear CMOS Button	•	•	
	Pre-installed I/O Shield	•	•	
	EZ Antenna	•		
	EZ Conn-Design			
	EZ LED	EZ Debug LED / EZ Memory Detection	EZ Debug LED / EZ Memory Detection	EZ Debug LED
	EZ LED Control	BIOS	BIOS	BIOS
Thermal Features	Extended Heatsink Design	•	•	
	M.2 Shield Frozr	1 x		
	MOSFET thermal pad / Extra choke pad	• (K7) / • (K5)		
	Fan headers (CPU + Combo + PUMP + SYSTEM)	1+1+0+3	1+0+0+3	1+0+0+2
Performance	Core Boost	•	•	•
	VRM Power Design (VCore / SOC / MISC)	7+2+1 (Direct)	8+2+1 (Direct)	6+2+1 (Direct)
	Dual CPU Power	1 x 8-pin	1 x 8-pin	1 x 8-pin
	OC Engine			
	Direct OC Jumper			
	Memory Boost	•	•	•
	Lightning Gen 5 PCI-E Slot / M.2	1 / 1	1 / 1	1 / -
	Lightning Gen 4 PCI-E Slot / M.2	1 / 2	1 / -	1 / -
	Front USB Type-C	1 x 10Gbps	1 x 10Gbps	
	Supplemental PCIe Power Connector	•		
	Server Grade PCB	•	•	•
	2oz Copper thickened PCB	•	•	•
Audio	Audio Boost 5			
	Audio Boost	•	•	•
RGB Support	Mystic Light			
	Mystic Light Extension (RGB)	1 x	1 x	1 x
	Mystic Light Extension (ARGB V2)	3 x	3 x	1 x
	Ambient Devices Support	•	•	•
BIOS	Click BIOS X	•	•	•
	64MB BIOS ROM	•	•	•
	AI Boost	•	•	•
	Performance Preset	•	•	•
MSI Center Features	Frozr AI Cooling	•	•	•
	Cooling Wizard	•	•	•
	AI LAN Manager	•	•	•
	Mystic Light (Sync & control)	•	•	•
	Super Charger +			
Exclusive Software	AIDA64 Extreme - MSI Edition	•	•	•
	App player			
	Adobe Creative Cloud	•	•	•
	Dropbox	•	•	•



Model Name		MAG B840 GAMING EVO WIFI6E	PRO B840-S EVO WIFI6E	PRO B840M-P EVO WIFI6E PZ
SPEC	CPU Support	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors	Supports AMD Ryzen™ 9000 / 8000 / 7000 Processors
	Chipset	AMD B840 Chipset	AMD B840 Chipset	AMD B840 Chipset
	CPU Socket	AM5	AM5	AM5
	Expansion Slots	1 x PCIe 4.0 x16 slot, 1 x PCIe 3.0 x4 slot	1 x PCIe 4.0 x16 slot, 1 x PCIe 3.0 x4 slot	1 x PCIe 4.0 x16 slot, 1 x PCIe 3.0 x4 slot, 2 x PCIe 3.0 x1 slots
	Onboard Graphics (Requires Processor Graphics)	1 x HDMI 2.1 – Requires Processor Graphics	1 x HDMI 2.1 – Requires Processor Graphics	1 x HDMI 2.1 – Requires Processor Graphics
	Memory Support	4 DIMMs, Dual Channel DDR5	4 DIMMs, Dual Channel DDR5	4 DIMMs, Dual Channel DDR5
	Storage	2 x M.2 PCIe 4.0 x4 slots 1 x M.2 PCIe 3.0 x4 slot 4 x SATA ports	2 x M.2 PCIe 4.0 x4 slots 1 x M.2 PCIe 3.0 x4 slot 4 x SATA ports	2 x M.2 PCIe 4.0 x4 slots 1 x M.2 PCIe 3.0 x2 slot 4 x SATA ports
	USB 20Gbps			
	USB 10Gbps	2 x USB 10Gbps (1A+1C)	2 x USB 10Gbps (1A+1C)	4 x USB 10Gbps (2A+2C)
	USB 5Gbps	5 x USB 5Gbps (4A+1C)	5 x USB 5Gbps (4A+1C)	4 x USB 5Gbps (4A)
	USB 2.0	8 x USB 2.0	8 x USB 2.0	8 x USB 2.0
	LAN	Realtek 8125 2.5G LAN	Realtek 8125 2.5G LAN	Realtek 8125 2.5G LAN
	Wi-Fi / BT	Wi-Fi 6E, Bluetooth 5.3	Wi-Fi 6E, Bluetooth 5.3	Wi-Fi 6E, Bluetooth 5.3
	Audio	ALC897	ALC897	ALC897
	Form Factor	ATX	ATX	Back-connect mATX
EZ DIY	EZ M.2 Shield Frozr II / EZ Magnetic M.2 Shield Frozr II			
	EZ M.2 Clip II		•	•
	EZ PCIe Clip II	•	•	•
	Flash BIOS Button		•	•
	Clear CMOS Button		•	•
	Pre-installed I/O Shield			•
	EZ Antenna	•	•	•
	EZ Conn-Design			
	EZ LED	EZ Debug LED / EZ Memory Detection	EZ Debug LED / EZ Memory Detection	EZ Debug LED / EZ Memory Detection
	EZ LED Control	BIOS	BIOS	BIOS
Thermal Features	Extended Heatsink Design	•	•	•
	M.2 Shield Frozr	1 x	1 x	1 x
	MOSFET thermal pad / Extra choke pad	• (K7) / • (K5)	• (K7) / • (K5)	• (K7) / • (K5)
	Fan headers (CPU + Combo + PUMP + SYSTEM)	1+1+0+3	1+1+0+4	1+1+0+3
Performance	Core Boost	•	•	•
	VRM Power Design (VCore / SOC / MISC)	7+2+1 (Direct)	7+2+1 (Direct)	7+2+1 (Direct)
	Dual CPU Power	1 x 8-pin	1 x 8-pin	1 x 8-pin
	OC Engine			
	Direct OC Jumper			
	Memory Boost	•	•	•
	Lightning Gen 5 PCI-E Slot / M.2			
	Lightning Gen 4 PCI-E Slot / M.2	1 / 2	1 / 2	1 / 2
	Front USB Type-C	1 x 5Gbps	1 x 5Gbps	1 x 10Gbps
	Supplemental PCIe Power Connector			
Audio	Server Grade PCB			
	2oz Copper thickened PCB	•	•	•
	Audio Boost 5			
	Audio Boost	•	•	•
RGB Support	Mystic Light			
	Mystic Light Extension (RGB)	1 x	1 x	1 x
	Mystic Light Extension (ARGB V2)	3 x	3 x	3 x
	Ambient Devices Support	•	•	•
BIOS	Click BIOS X	•	•	•
	64MB BIOS ROM	•	•	•
	AI Boost	•	•	•
	Performance Preset			•
MSI Center Features	Frozr AI Cooling	•	•	•
	Cooling Wizard	•	•	•
	AI LAN Manager	•	•	•
	Mystic Light (Sync & control)	•	•	•
	Super Charger +			
Exclusive Software	AIDA64 Extreme - MSI Edition	•	•	•
	App player			
	Adobe Creative Cloud	•	•	•
	Dropbox	•	•	•



MSI AMD 800 MAX / EVO Series Motherboards Family Brochure



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