



ASUS PRO WS W790E-SAGE SE Intel W790 LGA 4677 (Socket E) EEB

Brand : ASUS

Product code: 90MB1C20-M0EAY0

Product name : PRO WS W790E-SAGE SE

- Intel® LGA 4677 socket: Ready for Intel Xeon® W-3400 & W-2400 processors
 - CPU and memory overclocking: Supports for up to 2TB of ECC R-DIMM DDR5 memory (1DPC)
 - Ultrafast connectivity: 7 PCIe 5.0 x16 slots, Dual Intel X710-AT2 10G LAN, 3 M.2, USB 3.2 Gen 2x2 Type-C® and 2 SlimSAS
 - Server-grade IPMI remote management: Hardware and software-level with a dedicated LAN port link to AST2600 BMC controller, plus a real-time monitoring and management software - ASUS Control Center Express
 - Robust power and thermal design: 14+1+1 power stages, 8-pin and 6-pin PCIe power connectors, Massive VRM, chipset, M.2 heatsinks and M.2 backplates
 - Trusted stability: Highly compatible with the latest technologies with solid QVL list and tested for 24/7 operation, validated for extensive compatibility
- Pro WS W790E-SAGE SE Workstation Mainboard Socket Intel LGA 4677 (EEB Mainboard, PCIe 5.0, DDR5, USB 3.2 Gen 2)



Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	USB 2.0 ports quantity *	2
Processor socket *	LGA 4677 (Socket E)	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	4
Compatible processor series *	Intel Xeon W	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Intel Xeon series	W-2400, W-3400	USB 3.2 Gen 2x2 Type-C ports quantity	1
Supported processor sockets	LGA 4677 (Socket E)	Ethernet LAN (RJ-45) ports *	3
Memory		VGA (D-Sub) ports quantity *	1
Supported memory types *	DDR5-SDRAM	Headphone outputs	1
Number of memory slots *	8	Line-in	✓
Memory slots type	DIMM	Microphone in	✓
Memory channels	Octa-channel	S/PDIF out port	✓
ECC compatibility	ECC	Network	
Supported memory clock speeds	4800,5000,5200,5400,5600,5800,6000,6200,6400,6600,6800 MHz	Ethernet LAN	✓
Supported memory clock speed (max)	6800 MHz	Ethernet interface type	10 Gigabit Ethernet, Gigabit Ethernet
Maximum internal memory *	2.05 TB	Wi-Fi *	✗
Storage controllers		Features	
Supported storage drive types	HDD & SSD	Motherboard chipset *	Intel W790
Supported storage drive interfaces *	SlimSAS, M.2, SATA III	Audio chip	Realtek S1220A
Number of HDDs supported	10	Audio output channels *	7.1 channels
Number of storage drives supported	13	Product colour	Black
RAID support	✓	Component for *	Workstation
RAID levels	0, 1, 5, 10	Motherboard form factor *	EEB
Graphics		Motherboard chipset family *	Intel
Parallel processing technology support *	Not supported	Cooling type	Passive
On-board graphics card	✗	Power source type	ATX
Internal I/O		Windows operating systems supported	Windows 10, Windows 11
USB 2.0 connectors *	2	Expansion slots	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	PCI Express x16 (Gen 5.x) slots	7
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	Number of M.2 (M) slots	3
Number of SATA III connectors *	8		
Front panel audio connector	✓		

Internal I/O		BIOS	
ATX Power connector (24-pin)	✓	BIOS type *	UEFI AMI
Power fan connector	✓	BIOS memory size	512 Mbit
CPU fan connector	✓	Clear CMOS button	✓
Number of chassis fan connectors	5	Packaging data	
EPS power connector (8-pin)	✓	Package width	379 mm
Number of COM connectors	1	Package depth	362 mm
TPM connector	✓	Package height	81 mm
12V power connector	✓	Package weight	2.99 kg
Integrated SAS ports	2	Weight & dimensions	
		Width	305 mm
		Depth	330 mm
		Packaging content	
		Cables included	SATA
		User guide	✓
		Other features	
		Back-to-BIOS button	✓
		Number of M.2 (E) slots	1



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