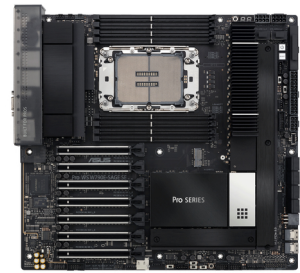# ASUS PRO WS W790E-SAGE SE Intel W790 LGA 4677 (Socket E) EEB

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

Processor manufacturer *	Intel
Processor socket *	LGA 4677 (Socket E)
Compatible processor series *	Intel Xeon W
Intel Xeon series	W3400, W2400
Supported processor sockets	LGA 4677 (Socket E)

Memory

Supported memory types *	DDR5-SDRAM
Number of memory slots *	8
Memory slots type	DIMM
Memory channels	Octa-channel
Supported memory clock speeds	4800,5000,5200,5400,5600,5800,6000,6200,6400,6600,6800 MHz
Supported memory clock speed (max)	6800 MHz
Maximum internal memory *	2.05 TB

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	SlimSAS, M.2, SATA III
Number of HDDs supported	10
Number of storage drives supported	13
RAID support	✔
RAID levels	0, 1, 5, 10

Graphics

Parallel processing technology support *	Not supported

Internal I/O

USB 2.0 connectors *	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1
Number of SATA III connectors *	8
Front panel audio connector	✔
ATX Power connector (24-pin)	✔
Power fan connector	✔

Rear panel I/O ports

USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	4
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
USB 3.2 Gen 2x2 Type-C ports quantity	1
Ethernet LAN (RJ-45) ports *	3
VGA (D-Sub) ports quantity *	1
Headphone outputs	1
Line-in	✔
Microphone in	✔
S/PDIF out port	✔

Network

Ethernet LAN	✔
Ethernet interface type	10 Gigabit Ethernet, Gigabit Ethernet
Wi-Fi *	✘

Features

Motherboard chipset *	Intel W790
Audio chip	Realtek S1220A
Audio output channels *	7.1 channels
Component for *	Workstation
Motherboard form factor *	EEB
Motherboard chipset family *	Intel
Cooling type	Passive
Power source type	ATX
Windows operating systems supported	Windows 10, Windows 11

Expansion slots

PCI Express x16 (Gen 5.x) slots	7
Number of M.2 (M) slots	3

Internal I/O

CPU fan connector	✓
Number of chassis fan connectors	5
EPS power connector (8-pin)	✓
Number of COM connectors	1
TPM connector	✓
12V power connector	✓
Integrated SAS ports	2

Rear panel I/O ports

USB 2.0 ports quantity *	2

BIOS

BIOS type *	UEFI AMI
BIOS memory size	512 Mbit
Clear CMOS button	✓

Packaging data

Package width	379 mm
Package depth	362 mm
Package height	81 mm
Package weight	2.99 kg

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

4711387123515