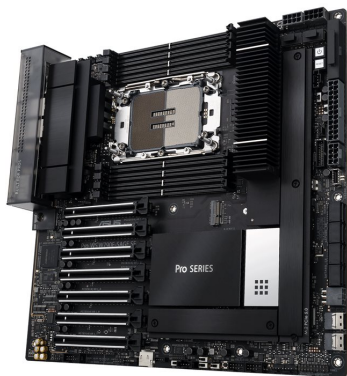


ASUS PRO WS W790E-SAGE SE - motherboard - SSI EEB - LGA4677 Socket-E - W790



27-05-2024

SKU	90MB1C20-M0EAY0
Product Description:	ASUS PRO WS W790E-SAGE SE - motherboard - SSI EEB - LGA4677 Socket-E - W790
Product Type:	Motherboard - SSI EEB
Chipset Type:	Intel W790
Processor Socket:	1 x LGA4677 Socket-E
Compatible Processors:	Xeon W
Max RAM Size:	2048 GB
RAM Supported:	8 DIMM slots - DDR5, ECC, registered

General

Product Type:	Motherboard - SSI EEB
Chipset Type:	Intel W790
Processor Socket:	LGA4677 Socket-E
Max Processors Qty:	1
Compatible Processors:	Xeon W

Supported RAM

Max Size:	2048 GB
Technology:	DDR5
Bus Clock:	5200 MHz (O.C.), 5400 MHz (O.C.), 5600 MHz (O.C.), 5800 MHz (O.C.), 6000 MHz (O.C.), 4800 MHz, 6200 MHz (O.C.), 6400 MHz (O.C.), 6600 MHz (O.C.), 6800 MHz (O.C.)
Supported RAM Integrity Check:	ECC
Registered or Buffered:	Registered
Features:	Intel Extreme Memory Profiles (XMP), 8-channel memory architecture

Audio

Miscellaneous

Included Accessories:	Thermistor cable, Q-Connector, 1 x M.2 rubber package, ACC Express Activation Key Card, M.2 backplate rubber package, VRM fan holder, M.2 Key E screw package, CPU guard for LGA 4677 E1A, CPU guard for LGA 4677 E1B
Cables Included:	4 x Serial ATA cable
Software Included:	ASUS CPU-Z, ASUS AI Suite III, ASUS Turbo App, PC Cleaner, WinRAR, ASUS Control Center Express, Armoury Crate, ASUS Fan Xpert 4, Norton 360 Deluxe (60 days trial), Adobe Creative Cloud (free trial)
Width:	30.5 cm
Depth:	33 cm
Features	
BIOS Type:	AMI
BIOS Features:	ASUS EZ Flash, UEFI BIOS
Sleep / Wake Up:	Wake on LAN (WOL), wake on PME

Audio

Type:	HD Audio (8-channel)
Audio Codec:	Realtek ALC51220A
Compliant Standards:	High Definition Audio

LAN

Network Interfaces:	10 Gigabit Ethernet, Gigabit Ethernet
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Expansion / Connectivity

Expansion Slots:	1 x CPU 8 x DIMM 288-pin 6 x PCIe 5.0 x16 1 x PCIe 5.0 x16 (x8 mode) 4 x PCIe 5.0 x16 2 x PCIe 4.0 x4 (SlimSAS) 3 x M.2 socket (2242/2260/2280/22110 M.2 Key M slot)
Storage Interfaces:	SATA-600 -connectors: 8 x 7pin Serial ATA - RAID 0 / RAID 1 / RAID 10 / RAID 5 PCIe 4.0 -connectors: 2 x SlimSAS PCIe 4.0 -connectors: 1 x M.2 - RAID 0 / RAID 1 / RAID 10 / RAID 5 PCIe 5.0 -connectors: 2 x M.2 - RAID 0 / RAID 1 / RAID 10 / RAID 5
Interfaces:	1 x USB-C 3.2 Gen2x2 4 x USB 3.2 Gen 2 1 x USB-C 3.2 Gen 2 2 x USB 2.0 1 x microphone - mini-jack 1 x audio line-out (center/subwoofer) - mini-jack 1 x audio line-out (rear) - mini-jack 1 x audio line-in - mini-jack 1 x audio line-out - mini-jack 1 x SPDIF out 1 x VGA 1 x LAN (Gigabit Ethernet) 2 x LAN (10Gigabit Ethernet)
Internal Interfaces:	1 x USB-C 3.2 Gen 2 - header 2 x USB 3.2 Gen 1 - header 4 x USB 2.0 - header 1 x serial - header 1 x audio - header 1 x SPI - header
Power Connectors:	6-pin PCI Express power connector, 2 x 24-pin main power connectors, 4 x 8-pin ATX12V connectors, 8-pin PCI Express power connector

Features

Hardware Features:

ASUS Q-Design, ESD Guards, Q-DIMM, ASUS EZ DIY, Q-LED, Q-Slot, ASUS Extreme Engine Digi+, CrashFree BIOS 3, ASUS Q-Connector, ASUS DIGI+ VRM, Q-Code, Preboot eXecution Environment (PXE), ASUS Stainless Steel Back I/O, overcurrent protection, LANGuard, overvoltage protection, ASUS SafeSlot, ASUS 5X Protection III, ASUS SafeDIMM, Intel VROC support, M.2 heatsink, pre-mounted I/O shield, Intel Turbo Boost Max Technology 3.0, BMC remote management, MicroFine Alloy Chokes, 10K Black Metallic Capacitors, FlexKey button, ASUS ProCool II, M.2 Q-Latch, 14+1+1 Phase Power Design, ReTry button, Start button, Safe boot button, VRM heatsink design, BIOS FlashBack button, BIOS FlashBack LED, Enlarged Chipset Heatsink, steel backplate, M.2 heatsink backplate, Intel Volume Management Device (VMD)