

Supermicro MBD-X11SPW-TF, Single SKT, Intel C622 Chipset, SATA, 2x10GbE, IPMI, M.2

Kod producenta: MBD-X11SPW-TF-O



Category	Server
Form Factor	WIO Proprietary
Dimensions	8" x 13"
CPU Socket	LGA 3647 (Socket P)
# of CPU sockets	1
Supported CPU's	Intel Xeon Scalable Processors
Chipset	C622
Memory Type	DDR4 ECC 3DS LRDIMM DDR4 ECC LRDIMM DDR4 ECC RDIMM
Memory Speed	2666 MHz 2400 MHz 2133 MHz 1866 MHz 1600 MHz
# of DIMM's	6
Max Memory Size	768 GB
Integrated GPU	Aspeed AST2500
# of PCIe x8 3.0	1
# of USB Ports	2 x USB 3.0 (rear) 2 x USB 3.0 (header) 1 x USB 3.0 Type A 2 x USB 2.0 (rear) 5 x USB 2.0 (header)
# of SATA Ports	10
Storage Controllers	10 x SATA 6Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports	1 x Fast UART 16550 (rear) 1 x Fast UART 16550 (header)
# of 10GbE Ports	2 x RJ45
Network Controllers	Intel x722 Port 10 Gigabit Base-T Intel x557 Port 10 Gigabit Base-T
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2500
TPM	1 x TPM 1.2 20-pin Header
Uwagi	1 PCIe 3.0 x8 (in x16 slot), 1 PCIe 3.0 x2 Left Riser Slot

Product SKUs

MBD-X11SPW-TF • X11SPW-TF

Physical Stats

Form Factor • Proprietary WIO
Dimensions • 8" x 13" (20.32cm x 33.02cm)

Processor/Cache

CPU • Intel® Xeon® Processor Scalable Family.
• Single Socket P (LGA 3647) supported, CPU TDP support 205W
Cores / Cache • Up to 28 cores

System Memory

Memory Capacity • 6x 288-pin DDR4 DIMM slots
• Up to 768GB ECC 3DS LRDIMM
• Up to 384GB ECC LRDIMM
• Up to 192GB ECC RDIMM
• 2666/2400/2133/1866/1600MHz ECC
Memory Type DDR4 SDRAM 72-bit 288-pin RDIMM/LRDIMM
DIMM Sizes • RDIMM: 4GB, 8GB, 16GB, 32GB
• LRDIMM: 32GB, 64GB
• 3DS LRDIMM: 64GB, 128GB
Memory Voltage • 1.2V
Error Detection • Corrects single-bit errors

On-Board Devices

Chipset • Intel® C622
SATA • Intel® C622 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
IPMI • ASPEED AST2500
Network Controllers • Dual LAN with 10GBase-T with Intel® X722 + X557
Graphics • Aspeed AST2500 BMC

Input / Output

SATA • 10 SATA3 (6Gbps) ports
LAN • 2 RJ45 10GBase-T ports
• 7 USB 2.0 ports (2 rear + 5 via header(s)),
USB • 5 USB 3.0 ports (2 rear + 2 via header(s) + 1 Type A)
Video Output • 1 VGA port(s)
Serial Port / Header • 2 COM Ports (1 rear, 1 header(s))
TPM • TPM Header

Expansion Slots

PCI-E • 1 PCI-E 3.0 x8 (in x16 slot),
• 1 PCI-E 3.0 x32 Left Riser Slot
M.2 • Interface: PCIe 3.0 x4 and SATA
• Form Factor: 2280, 22110

System BIOS

BIOS Type • AMI UEFI
BIOS Features • ACPI 6.0
• RTC (Real Time Clock) Wakeup
• SMBIOS 3.0 or later

Management

Software • Intel® Node Manager, IPMI2.0, KVM with dedicated LAN, NMI, SPM, SUM, SuperDoctor® 5, Watchdog
Power Configurations • ACPI Power Management
• Power-on mode for AC power recovery

PC Health Monitoring

Voltage • +1.8V, +12V, +3.3V, +5V, +5V standby, 3.3V standby, 7-fan status, Chassis intrusion header, HT, Monitors CPU voltages, Supports system management utility, VBAT
FAN • 7x 4-pin fan headers (up to 7 fans), Fan speed control, Overheat LED indication, PWM fan speed control, System level control
Temperature • CPU thermal trip support
• PECI
LED • CPU / System Overheat LED
• UID/Remote UID
• Suspend static indicator LED
Other Features • ACPI power management, Control of power-on for recovery from AC power loss, RoHS, UID, WOL

Operating Environment

Operating Temperature Range • 0°C ~ 50°C (32°F ~ 122°F)
Non-Operating Temperature Range • -40°C - 70°C (-40°F - 158°F)
Operating Relative Humidity Range • 8% - 90% (non-condensing)
Non-Operating Relative Humidity Range

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x11spw-tf-single-skt-intel-c622-chipset-sata-2x10gbe-ipmi-m2-p-3225.html>