

Supermicro MBD-X11SPM-TPF, Single SKT, Intel C622 Chipset, SATA, 2x10GbE, IPMI, M.2

Kod producenta: MBD-X11SPM-TPF-O



Category	Server
Form Factor	Micro-ATX
Dimensions	9.6" x 9.6"
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 x16 3.0	2
# 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) 4 x USB 2.0 (header)
# of SATA Ports	12
Storage Controllers	8 x AHCI iSATA 6Gb/s 4 x sSATA 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 SFP+
Network Controllers	Inphi CS4227 Dual port 10Gigabit SFP+
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2500
TPM	1 x TPM 2.0 20-pin Header
Uwagi	Expansion Slots M.2 Interface: PCI-E 3.0 x4 Form Factor: 2242, 2280

Product SKUs

MBD-X11SPM-TPF • X11SPM-TPF

Physical Stats

Form Factor • microATX

Dimensions • 9.6" x 9.6" (24.38cm x 24.38cm)

Processor/Cache

CPU • Intel® Xeon® Processor Scalable Family.
• Single Socket P (LGA 3647) supported, CPU TDP support 165W

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 12 SATA3 (6 Gbps) ports; RAID 0,1,5,10

IPMI • ASPEED AST2500

Network Controllers • Dual LAN with 10G SFP+ with Inphi CS4227

Graphics • Aspeed AST2500 BMC

Input / Output

SATA • 12 SATA3 (6Gbps) port

LAN • 2 10G SFP+ LAN ports
• 6 USB 2.0 ports (2 rear + 4 via header(s)),
• 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 • 2 PCI-E 3.0 x16,
• 1 PCI-E 3.0 x8

M.2 • Interface: PCIe 3.0 x4
• Form Factor: 2242, 2280

System BIOS

BIOS Type • AMI UEFI
• ACPI 6.0

BIOS Features • 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, 8 -fan status, Chassis intrusion header, Monitors CPU voltages, Supports system management utility, VBAT

FAN • 8x 4-pin fan headers (up to 8 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, CPU thermal trip support for processor protection, M.2 NGFF connector, RoHS, UID, WOL

Operating Environment

Operating Temperature Range • 0°C ~ 60°C (32°F ~ 140°F)

Non-Operating Temperature Range • -20°C ~ 60°C (-4°F ~ 140°F)

Operating Relative Humidity Range • 10% ~ 85% (non-condensing)

Non-Operating Relative Humidity Range

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x11spm-tpf-single-skt-intel-c622-chipset-sata-2x10gbe-ipmi-m2-p-3226.html>