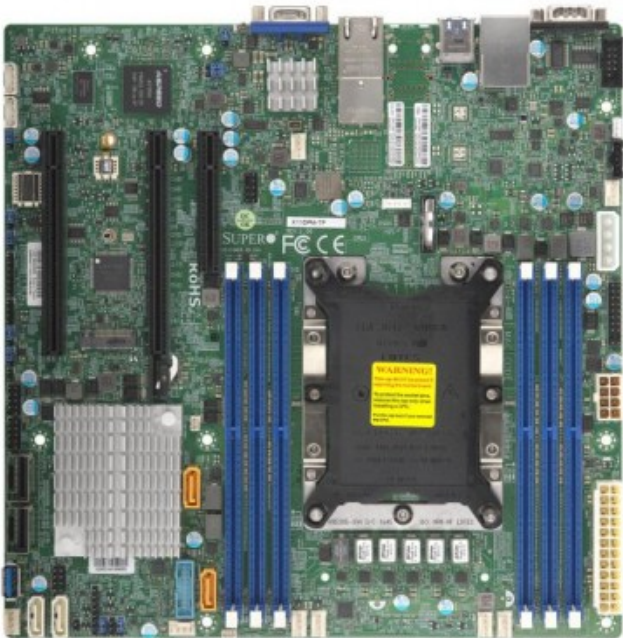


Supermicro MBD-X11SPM-TF, Single SKT, Intel C622 Chipset, SATA, 2x10GbE, IPMI, M.2

Kod producenta: MBD-X11SPM-TF-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 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	Expansion Slots M.2 Interface: PCI-E 3.0 x4 Form Factor: 2242, 2280

Product SKUs



MBD-X11SPM-TF • X11SPM-TF

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 10GBase-T with Intel® X722 + X557
Graphics • Aspeed AST2500 BMC

Input / Output



SATA • 12 SATA3 (6Gbps) port
LAN • 2 RJ45 10GBase-T ports
• 6 USB 2.0 ports (2 rear + 4 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 • 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 • 0°C ~ 60°C (32°F ~ 140°F)
Range
Non-Operating Temperature • -20°C ~ 60°C (-4°F ~ 140°F)
Range
Operating Relative Humidity • 10% ~ 85% (non-condensing)
Range
Non-Operating Relative Humidity
Range

