

# Supermicro MBD-X11SPi-TF, Single SKT, Intel C622 Chipset, SATA, 2x10GbE, IPMI, M.2

Kod producenta: MBD-X11SPI-TF-O



Category	Server
Form Factor	ATX
Dimensions	12" 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	8
Max Memory Size	1024 GB
Integrated GPU	Aspeed AST2500
# of PCIe x16 3.0	2
# of PCIe x4 3.0	1
# of PCIe x8 3.0	2
# 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	10
Storage Controllers	10 x AHCI iSATA 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 2.0 20-pin Header
Uwagi	PCI-Express Slots Configuration: 1xPCI-E 3.0 x16 slot 1xPCI-E 3.0 x16 (in x16 or x8) slot 1x PCI-E 3.0 x8 (in x0 or x8) slot 1x PCI-E 3.0 x8 slot 1x PCI-E 3.0 x4 (in x8) slot M.2 Interface: 1x PCI-E 3.0 x4 & SATA

## Product SKUs

MBD-X11SPi-TF • X11SPi-TF

## Physical Stats

Form Factor • ATX

Dimensions • 12" x 9.6" (30.48cm x 24.38cm)

## 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 • 8x 288-pin DDR4 DIMM slots  
• Up to 1TB ECC 3DS LRDIMM  
• Up to 512GB ECC LRDIMM  
• Up to 256GB ECC RDIMM

Memory Type • 2666/2400/2133/1866/1600MHz ECC 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) port

LAN • 2 RJ45 10GBase-T ports

USB • 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 • 1 PCI-E 3.0 x16,  
• 1 PCI-E 3.0 x16 (x16 or x8 ),  
• 1 PCI-E 3.0 x8 (x0 or x8 ),  
• 1 PCI-E 3.0 x8,  
• 1 PCI-E 3.0 x4 (in x8 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, CPU thermal trip support for processor protection, M.2 NGFF connector, 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

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x11spi-tf-single-skt-intel-c622-chipset-sata-2x10gbe-ipmi-m2-p-3223.html>