

Supermicro MBD-X11SPL-F, Single SKT, Intel C621 Chipset, SATA, 2xGbE, IPMI, M.2

Kod producenta: MBD-X11SPL-F-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	C621
Memory Type	DDR4 ECC RDIMM DDR4 ECC LRDIMM DDR4 ECC 3DS RDIMM DDR4 ECC 3DS LRDIMM
Memory Speed	2933 MHz 2666 MHz 2400 MHz 2133 MHz
# of DIMM's	8
Max Memory Size	1024
Integrated GPU	ASPEED AST2500
# of PCIe x16 3.0	2
# of PCIe x4 3.0	1
# of PCIe x8 3.0	4
# of SATA Ports	8
# of 1GbE Ports	2 x RJ45
Integrated BMC	IPMI Dedicated RJ45
BMC chip	ASPEED AST2500
TPM	1 x TPM 2.0 20-pin Header

Product SKUs



MBD-X11SPL-F • X11SPL-F

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 165W

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® C621

SATA

- Intel® C621 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10

IPMI

- ASPEED AST2500

Network Controllers

- Dual LAN with 1GbE with Intel® I210

Graphics

- Aspeed AST2500 BMC

Input / Output



SATA

- 8 SATA3 (6Gbps) port

LAN

- 2 RJ45 Gigabit Ethernet LAN ports
- 8 USB 2.0 ports (2 rear + 6 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 x8 (in x16 slot),
- 4 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
- 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, 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
- 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

Other Features

Operating Environment



Operating

- 0°C ~ 50°C (32°F ~ 122°F) Range

Non-Operating

- -40°C - 70°C (-40°F - 158°F) Range

Operating

- 8% - 90% (non-condensing) Relative Humidity Range

Non-Operating

Relative

- Humidity Range

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x11spl-single-skt-intel-c621-chipset-sata-2xgbe-ipmi-m2-p-3248.html>

