

Supermicro MBD-X11SPH-nCTPF, Single SKT, Intel C622 Chipset, SATA, LSI 3008 SAS3, 2x10GbE, IPMI,

Kod producenta: MBD-X11SPH-NCTPF-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	1
# 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) 6 x USB 2.0 (header)
# of SATA Ports	10
# of SAS Ports	8
Storage Controllers	10 x AHCI iSATA 6Gb/s LSI 3008 12Gb/s
Integrated RAID	0,1,5,10
Hardware RAID	0,1,10
# of Serial Ports	1 x Fast UART 16550 (rear) 1 x Fast UART 16550 (header)
# of 10GbE Ports	2 x SFP+
Network Controllers	Intel x722 Dual Port 10 Gigabit SFP+ Inphi CS4227
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 (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-X11SPH-nCTPF • X11SPH-nCTPF

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 • 8x 288-pin DDR4 DIMM slots
Capacity • 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
• Intel® C622 controller for 10 SATA3 (6
Gbps) ports; RAID 0,1,5,10
SATA • Broadcom® 3008 SW controller for 8
SAS3 (12Gbs) ports; RAID 0,1,10
IPMI • ASPEED AST2500
Network • Dual LAN with 10G SFP+ with Intel®
Controllers X722 + Inphi CS4227
Graphics • Aspeed AST2500 BMC

Input / Output

SATA • 10 SATA3 (6Gbps) port
LAN • 2 10G SFP+ 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 • 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

System BIOS

BIOS Type • AMI UEFI
BIOS • ACPI 6.0
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, RoHS, UID, WOL

Operating Environment

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

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x11sph-nctpf-single-skt-intel-c622-chipset-sata-lsi-3008-sas3-2x10gbe-ipmi-p-3229.html>