

Supermicro MBD-X11SSZ-TLN4F, Single SKT, Intel C236 Chipset, SATA, 2x10GbE, 2xGbE, IPMI,AMT

Kod producenta: MBD-X11SSZ-TLN4F-O



Category	Embedded
Form Factor	Micro-ATX
Dimensions	9.6" x 9.6"
CPU Socket	LGA 1151 (Socket H4)
# of CPU sockets	1
Supported CPU's	Intel Xeon E3-1200v5 Intel Core 6th Gen.
Chipset	Intel C236 Skylake
Memory Type	DDR4 ECC UDIMM DDR4 non-ECC UDIMM
Memory Speed	2133 MHz 1866 MHz 1600 MHz
# of DIMM's	4
Max Memory Size	64 GB
Integrated GPU	Aspeed AST2400
# of PCIe x16 3.0	1
# of PCIe x4 3.0	2
# of USB Ports	2 x USB 3.0 (rear) 2 x USB 3.0 (header) 2 x USB 2.0 (rear) 6 x USB 2.0 (header) 1 x USB 2.0 Type A
# of SATA Ports	4
# of SATA DOM power	1
Storage Controllers	4 x AHCI iSATA 6Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports	2 x Fast UART 16550 (header)
# of 10GbE Ports	2 x RJ45
# of 1GbE Ports	2 x RJ45
Network Controllers	Intel x550 Dual Port 10 Gigabit Base-T Intel i210 Single Port Gigabit Ethernet Intel i219LM Single Port Gigabit Ethernet
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2400
TPM	1 x TPM 1.2 20-pin Header
Uwagi	PCI-Express Slots Configuration: 2x PCI-E 3.0 x4 (in x8) slots

Product SKUs

MBD-X11SSZ-TLN4F • X11SSZ-TLN4F (Bulk Pack)

Physical Stats

Form Factor • Micro-ATX

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

Processor/Cache

CPU

- Intel® 6th Generation Core™ i3 series
- Intel® 6th Generation Core™ i5 series
- Intel® 6th Generation Core™ i7 series
- Intel® Celeron®
- Intel® Pentium®
- Intel® Xeon® processor E3-1200 v5 series
- Socket H4 (LGA 1151) supported; CPU TDP support Up to 91W

System Memory

Memory Capacity

- Up to 64GB Unbuffered ECC/non-ECC UDIMM, DDR4-2133MHz, in 4 DIMM slots

Memory Type

- 2133/1866/1600MHz ECC DDR4 SDRAM 72/64-bit, 288-pin (UDIMM) gold-plated DIMMs

DIMM Sizes

- 4GB, 8GB, 16GB

Memory Voltage

- 1.2 V

Error Detection

- Corrects single-bit errors
- Detects double-bit errors (using ECC memory)

On-Board Devices

Chipset

- Intel® C236

SATA

- Intel® C236 controller for 4 SATA3 (6 Gbps) ports; RAID 0,1,5,10

Network Controllers

- Dual LAN with Intel® X550 10GBase-T Ethernet Controller
- Single LAN with Intel® PHY I219LM LAN controller
- Single LAN with Intel® Ethernet Controller I210-AT

Audio

- ALC 888S HD Audio

Graphics

- Intel® HD Graphics , Aspeed AST2400 BMC

Input / Output

USB

- 9 USB 2.0 ports (2 rear, 6 via header, 1 Type A)
- 4 USB 3.0 ports (2 rear, 2 via header)

Video Output

- 2 DP (DisplayPort), 1 DVI - I, 1 VGA, 1 Intel® HD Graphics
- , 1 Aspeed AST2400 BMC
- 3 Independent Displays, VGA Port is for BMC

Serial Port / Header

- 2 COM Ports (2 headers)

TPM

- 1 TPM 2.0 Header

Expansion Slots

PCI-E

- 1 PCI-E 3.0 x16 (in x16 slot)
- 2 PCI-E 3.0 x4 (in x8 slot)

System BIOS

BIOS Type

- AMI UEFI
- UEFI 2.3.1
- USB Keyboard support
- Hardware BIOS Virus protection
- SMBIOS 2.7.1

BIOS Features

- Plug and Play (PnP)
- APM 1.2
- DMI 2.3
- PCI 2.3
- ACPI 1.0 / 2.0 / 3.0 / 4.0
- RTC (Real Time Clock) Wakeup

Management

Software

- AMT, IPMI2.0, KVM with dedicated LAN, NMI, SuperDoctor® 5, vPro, 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, 1.2V (VDIMM), 6 -fan status, Chassis intrusion header, Monitors CPU voltages, Supports system management utility, System level control, VBAT
- Total of 6 fan headers supporting up to 6 fans
- 6 fans with tachometer status monitoring
- Fan speed control
- Overheat LED indication
- Pulse Width Modulated (PWM) fan connectors
- PWM fan speed control
- System level control
- Thermal control tachometer fan connectors
- Monitoring for CPU and chassis environment

Temperature

- CPU thermal trip support
- I2C temperature sensing logic
- Thermal Monitor 2 (TM2) support
- PECI

LED

- CPU / System Overheat LED
- UID/Remote UID

Other Features

- 8-pin 12v DC power connector, ACPI power management, ATX Power connector, Chassis intrusion header, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, Intel Smart Response Technology, RoHS, System level control, UID, WOL

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x11ssz-tln4f-single-skt-intel-c236-chipset-sata-2x10gbe-2xgbe-ipmiamt-p-1739.html>