Supermicro MBD-X10DAi, Dual SKT, Intel C612 Chipset, SATA, 2xGbE

Kod producenta: MBD-X10DAi-O



Category	Workstation
Form Factor	E-ATX
Dimensions	12" x 13"
CPU Socket	LGA 2011 (Socket R3)
# of CPU sockets	2
Supported CPU's	Intel Xeon E5-2600v3 Intel Xeon E5-2600v4
Chipset	Intel C612 Wellsburg
Memory Type	DDR4 ECC 3DS LRDIMM DDR4 ECC LRDIMM DDR4 ECC RDIMM
Memory Speed	2400 MHz 2133 MHz 1866 MHz 1600 MHz
# of DIMM's	16
Max Memory Size	2048 GB
# of PCIe x16 3.0	3
# of PCIe x8 3.0	2
# of PCIe x4 2.0	1
# of USB Ports	4 x USB 3.0 (rear) 2 x USB 3.0 (header) 2 x USB 2.0 (rear) 2 x USB 2.0 (header) 1 x USB 2.0 Type A
# of SATA Ports	10
# of SATA DOM power	2
Storage Controllers	6 x AHCI iSATA 6Gb/s 4 x sSATA 6Gb/s
Integrated RAID	0,1,5,10
# of 1GbE Ports	2 x RJ45
Network Controllers	Intel i210 Dual Port Gigabit Ethernet
TPM	1 x TPM 1.2 20-pin Header
Uwagi	PCI-Express Slots Configuration: 3x PCI-E 3.0 x16 slots 2x PCI-E 3.0 x8 slots 1x PCI-E 2.0 x4 (in x8) slot

Poniżej prezentujemy szczegółowy opis techniczny oferowanego produktu:

Product SKUs

MBD-X10DAi-B	• X10DAi (Bulk Pack)
MBD-X10DAi-O	• X10DAi (Retail Pack)

Physical Stats

Form Factor	• E-ATX
Dimensions	• 12" x 13" (30.5cm x 33.0cm)

Processor/Cache

CPU	• Intel® Xeon® processor E5-2600 **v4**†/ v3 family (up to 160W TDP **) • Dual Socket R3 (LGA 2011)
Cores / Cache	• Up to **22 Cores**† / Up to **55MB**† Cache
System Bus	• QPI up to 9.6 GT/s
Note	† BIOS version 2.0 or above is required
Note	** Motherboard supports this maximum TDP. Please verify your system can thermally support.

System Memory

Memory Capacity	• 16x 288-pin DDR4 DIMM slots • Up to 2TB† ECC 3DS LRDIMM, 1TB ECC RDIMM
Memory Type	• **2400**†/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit
DIMM Sizes	• RDIMM: 32GB, 16GB, 8GB, 4GB • LRDIMM: 64GB, 32GB • 3DS LRDIMM: 128GB
Memory Voltage	• 1.2 V
Error Detection	• Corrects single-bit errors

On-Board Devices

Chipset	• Intel® C612 chipset
AHCI SATA	• SATA3 (6Gbps); RAID 0, 1, 5, 10
SCU SATA	• SATA3 (6Gbps); RAID 0, 1, 5, 10
Network Controllers	• Dual Gigabit Ethernet LAN ports via Intel® i210 • Supports 10Base-T, 100BASE-TX, and 1000BASE-T, RJ45 output
Audio	• RealTek ALC888 7.1 High Definition Audio with S/PDIF header

Input / Output

SATA	• 10x SATA3 (6Gbps) ports
LAN	• 2x RJ45 Gigabit Ethernet LAN ports
USB	• 6x USB 3.0 ports (4 rear + 2 via header) • 5x USB 2.0 ports (2 rear + 2 via header + 1 Type A)
Audio	• 7.1 HD Audio with optical S/PDIF
DOM	• 2x SuperDOM (Disk on Module) ports
TPM	• 1x TPM 1.2 20-pin Header

Chassis (Optimized for X10DAi)

2U Chassis:	• SC216BAC-R920LPB • SC213A-R740LPB • SC826BA-R920LPB • SC825TQ-R740LPB
3U Chassis:	• SC835BTQ-R1K28B • SC836BA-R920B • SC836BA-R1K28B • SC835TQ-R920B
Mid/Mini Tower Chassis:	• SC732D4F-903B • SC732i-865B
4U / Tower Chassis:	• SC846BA-R920B • SC747TG-R1400B-SQ • SC745TQ-R920B • SC747BTQ-R1K62B • SC846BE1C-R1K28B • SC745BTQ-R1K28B-SQ • SC743TQ-1200B • SC847BE1C-R1K28LPB • SC847BE2C-R1K28LPB
Important Chassis Notes	• To support the new generation Intel® Xeon® processor-based motherboards, **Revision M** chassis is recommended. Please talk to your sales representative for details.

SuperServer(s) with X10DAi

Model(s)	• SYS-7038A-I • SYS-7048A-T

Expansion Slots

PCI-Express	• 3 PCI-E 3.0 x16 • 2 PCI-E 3.0 x8 • 1 PCI-E 2.0 x4 (in x8)

System BIOS

BIOS Type	• 128Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	• Plug and Play (PnP) • PCI 2.3 • ACPI 1.0 / 2.0 / 3.0 / 4.0 • USB Keyboard support • SMBIOS 2.7.1 • UEFI 2.3.1

Management

Software	• NMI • SuperDoctor® 5 • Watch Dog
Power Configurations	• ACPI Power Management • Power-on mode for AC power recovery

PC Health Monitoring

Voltage	• Monitors for CPU Cores, +1.8V, +3.3V, +5V, +12V, +3.3V Standby, +5V Standby, VBAT, Memory Voltages. • 6 Phase-switching voltage regulator
FAN	• 8x 4-pin fan headers (up to 8 fans) • 8x fans with tachometer monitoring • Status monitor for speed control • Pulse Width Modulated (PWM) fan connectors
Temperature	• Monitoring for CPU and chassis environment • CPU thermal trip support • Thermal Control for 8x Fan Connectors • Thermal Monitor 2 (TM2) support • PECI
LED	• CPU / System Overheat LED • Suspend static indicator LED • UID/Remote UID
Other Features	• Chassis intrusion detection • Chassis intrusion header • SDDC Support • RoHS

Strona firmowa produktu:
https://www.superstorage.pl/supermicro-mbd-x10dai-dual-skt-intel-c612-chipset-sata-2xgbe-p-1341.html