Supermicro MBD-X10SRH-CLN4F, Single SKT, Intel C612 Chipset, SATA, LSI 3008 SAS3, 4xGbE, IPMI Bu

Kod producenta: MBD-X10SRH-CLN4F-B

ATX Form Factor Dimensions 12" x 9.6"

CPU Socket LGA 2011 (Socket R3)

of CPU sockets

Supported CPU's Intel Xeon E5-2600v4

Intel Xeon E5-2600v3 Intel Xeon E5-1600v3

Intel C612 Wellsburg Chipset

DDR4 ECC 3DS LRDIMM Memory Type

DDR4 ECC LRDIMM DDR4 ECC RDIMM

Memory Speed 2400 MHz

> 2133 MHz 1866 MHz 1600 MHz

of DIMM's

Max Memory Size 1024 GB

Integrated GPU Aspeed AST2400

of PCIe x4 3.0 # of PCIe x8 3.0 3 # of PCIe x4 2.0 1 # of PCIe x2 2.0 1

of USB Ports 2 x USB 3.0 (rear)

1 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 SATA DOM power 2 # of SAS Ports

Storage Controllers 6 x AHCI iSATA 6Gb/s

4 x sSATA 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 1GbE Ports 4 x RJ45

Network Controllers Intel i350 Quad Port Gigabit Ethernet

Integrated BMC IPMI 2.0

KVM-over-LAN

Virtual Media over LAN IPMI Dedicated RJ45 PHY

BMC chip Aspeed AST2400

TPM 1 x TPM 1.2 20-pin Header

Uwagi PCI-Express Slots Configuration: 1x PCI-E 3.0 x4 (in x8) slot

1x PCI-E 3.0 x8 (in x16) slot 2x PCI-E 3.0 x8 slots 1x PCI-E 2.0 x2 (in x4) slot

Product CVIIc				
Product SKUs MBD-X10SRH-CLN4F • X10SRH-CLN4F (Bulk Pack)		Chassis (Optio	mized for X10SRH-CLN4F) - SC813MFTQ-441CB	
-В	• A1USKH-ULN4F (Bulk Pack)	1U Chassis:	- SC813MFTQ-R400CB	
Physical Sta	ts	10 CHassis:	- <u>SC813MFTQ-R606CB</u> - <u>SC113MFAC2-R606CB</u>	
Form Factor • ATX			- <u>SC113MFAC2-605CB</u> - <u>SC823TQ-653LPB</u>	
Dimensions	• 12" x 9.6", (30.5cm x 24.4cm)		- SC213A-R740LPB - SC825TQ-R720LPB	
Processor		2U Chassis:	- <u>SC826BAC4-R920LPB</u>	
CPU	- Intel® Xeon® processor E5-2600 v4 [†] / v3, E5-1600 v4 [†] / v3 family (up to 145W TDP ***)		- <u>SC216BAC-R920LPB</u> - <u>SC826BE1C-R920LPB</u>	
	- Single Socket R3 (LGA 2011)		- SC216BE1C-R920LPB	
Core / Cache Note	e - Up to 22 Cores † / Up to 55MB † Cache † BIOS version 2.0 or above is required	3U Chassis:	- <u>SC836BE1C-R1K03B</u> - <u>SC833T-653B</u>	
11000	** Motherboard supports this maximum TDP.	Mid/Mini	- <u>SC836TQ-R500B</u>	
Note	Please verify your system can thermally support	Tower	- <u>SC732i-500B</u>	
Note	** E5-1600 series CPU does not support	Chassis:	- <u>SC847BE1C-R1K28LPB</u>	
	LRDIMM type memory	4U / Tower	- <u>SC842TQ-865B</u> - <u>SC842TO-665B</u>	
System Memory		Chassis:	- <u>SC743T-665B</u>	
by ottom 1 Ton	- 8x 288-pin DDR4 DIMM slots		- SC846BE1C-R1K28B - To support the new generation	
Memory Capacity	- Up to 1TB ECC 3DS LRDIMM - Up to 512GB ECC LRDIMM	Important	Intel® Xeon® processor-based	
Supusity	- Up to 256GB ECC RDIMM	Chassis Notes	motherboards, Revision M chassis is recommended. Please talk to your	
Memory Typ	- 2400 [†] / 2133/1866/1600MHz ECC ne DDR4 SDRAM 72-bit, 288-pin (RDIMM /		sales representative for details.	
- J -JP	LRDIMM) / 284-pin gold-plated DIMMs	SuperServer(s) with X10SRH-CLN4F	
DIMM Sizes		Model(s)	- SSG-5028R-E1CR12L	
Memory	- RDIMM: 32GB, 16GB, 8GB, 4GB	(-/	- SYS-5048R-E1CR36L	
Voltage	- 1.2 V	P : ::		
Error	 Corrects single-bit errors Detects double-bit errors (using ECC 	Expansion Slots - 1x PCI-E 3.0 x4 (in x8) slot		
Detection	memory)	DOL E	- 1x PCI-E 3.0 x8 (in x16) slot	
On-Board De	evices	PCI-Express	- 2x PCI-E 3.0 x8 slots - 1x PCI-E 2.0 x2 (in x4) slot	
Chipset	- Intel C612 chipset		- 1x PCI-E 2.0 x4 (in x8) slot	
SAS	- SAS3 (12Gbps) via LSI 3008 - SW RAID 0, 1, 10	System BIOS		
SATA	- SATA3 (6Gbps) via C612 controller	BIOS Type	- 128Mb SPI Flash EEPROM with	
	 RAID 0, 1, 5, 10 support Support for Intelligent Platform 	J.F.	AMI BIOS - Plug and Play (PnP)	
IPMI	Management Interface v.2.0 - IPMI 2.0 with virtual media over LAN		- APM 1.2 - DMI 2.3	
11.141	and KVM-over-LAN support	DIOC	- PCI 2.3	
	- ASPEED AST2400 BMC - Intel® i350-AM4 Quad Port Gigabit	BIOS Features	 ACPI 1.0 / 2.0 / 3.0 / 4.0 USB Keyboard support 	
	Ethernet		- Hardware BIOS Virus protection	
Network Controllers	 Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output 		- SMBIOS 2.7.1 - UEFI 2.3.1	
	- 1x Realtek RTL8201N PHY (dedicated IPMI)		- RTC (Real Time Clock) Wakeup	
Graphics - ASPEED AST2400 BMC		Management		
Innut / Out-	nt	Software	- IPMI 2.0 with KVM support - SuperDoctor® 5	
Input / Outp SAS	ut - 8x SAS3 (12Gbps) ports	Jonware	- Watch Dog	
SATA	- 10x SATA3 (6Gbps) ports	D	- ACPI Power Management - Keyboard Wakeup from Soft-Off	
LAN	 4x RJ45 Gigabit Ethernet LAN ports 1x RJ45 Dedicated IPMI LAN port 	Power Configuration	- CPU Fan auto-off in sleep mode	
HCD	- 4x USB 3.0 ports (2 rear + 1 via header		- Power-on mode for AC power recovery	
USB	+ 1 Type A) - 8x USB 2.0 ports (2 rear + 6 via header)	n I C vio boodon)		
Video - 1x VGA port PC Health Monitoring Monitoring		- Monitors for CPU Cores, +3.3V,		
Serial Port / Header	ports (1 rear, 1 header)	Voltage	+5V, +12V, +5V Standby, VBAT, HT,	
SuperDOM	- 2x <u>SuperDOM</u> (Disk on Module) ports with built-in power		Memory, Chipset Voltages Total of 6 fan headers supporting	
TPM	with built-in power - 1x TPM Header		up to 6 fans - 6 fans with tachometer status	
			monitoring	
OS Compatil	DIIITY	FAN	 Status monitor for speed control Status monitor for on/off control 	
	erence the OS Compatibility Chart for		- Low noise fan speed control - Pulse Width Modulated (PWM)	
details			fan connectors	
			- Monitoring for CPU and chassis environment	
		Temperature	- CPU thermal trip support	
		remperature	 I²C temperature sensing logic Thermal Monitor 2 (TM2) support PECI 	
		LED	- CPU / System Overheat LED - Suspend static indicator LED - UID/Remote UID	
		Other	 Chassis intrusion detection Chassis intrusion header 	
		Features	- Chipkill support - RoHS, Halogen Free	
,		Operating Fn	Operating Environment	
		Operating En		
		Temperature Range	- 0°C ~ 60°C (32°F ~ 140°F)	
		Non-Operatin Temperature	g 20°C ~ 60°C (-4°F ~ 140°F)	
		Range Operating		
		Relative Humidity	- 10% ~ 85% (non-condensing)	
		Range		
		Non-Operatin Relative	g	
		TT		

Strona: **2 / 3**

Strona firmowa produktu: https://www.superstorage.pl/supermicro-mbd-x10srh-cln4f-single-skt-intel-c612-chipset-sata-lsi-3008-sas 3-4xgbe-ipmi-bu-p-2574.html

Strona: $\mathbf{3} / \mathbf{3}$