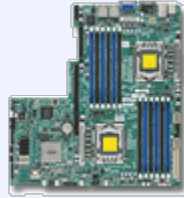


SuperServer 1027B-URF



Integrated Board



Super X9DBU-iE

Available Colors:

Black



Key Features

1. Dual socket B2 (LGA 1356) supports Intel® Xeon® processor E5-2400
2. Up to 384GB DDR3 1600MHz ECC R/LRDIMM; 12x DIMM sockets
3. 1x UIO, 1x PCI-E 3.0 x8 Full-height Full-length Expansion Slot
4. Intel® i350 Dual port Gigabit Ethernet Controller; 2x LAN ports
5. 8x Hot-swap 2.5" SATA HDD bays for Customizable Storage
6. 500W Redundant Power Supplies Platinum Level (94%+)

Note: Image above may show a varied configuration or optional parts, Please refer to parts list for standard parts included.

Specifications

Product SKUs

- SYS-1027B-URF ■ SuperServer 1027B-URF (Black)

Motherboard

Super X9DBU-iE

Processor/Cache

- CPU ■ Intel® Xeon® processor E5-2400
 ■ Dual Socket B2 (LGA 1356)
- Cache ■ Up to 20MB
- System Bus ■ QPI up to 8 GT/s

System Memory

- Memory Capacity ■ 12x 240-pin DDR3 DIMM sockets
 ■ Supports up to 384 GB DDR3 ECC Registered memory (R/LRDIMM)
 ■ Supports up to 96 GB DDR3 ECC Un-Buffered memory (UDIMM)
- Memory Type ■ 1600/1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs
- DIMM Sizes ■ 32GB, 16GB, 8GB, 4GB, 2GB, 1GB

Chassis

- Form Factor ■ 1U Rackmount
- Model ■ CSE-113TQ-R500UB

Dimensions

- Width ■ 17.2" (437mm)
- Height ■ 1.7" (43mm)
- Depth ■ 23.5" (597mm)
- Gross Weight ■ 46 lbs (20.9kg)
- Available Colors ■ Black

Front Panel

- Buttons ■ Power On/Off button
 ■ System Reset button
 ■ UID button
- LEDs ■ Power status LED
 ■ HDD activity LED
 ■ 2x Network activity LEDs
 ■ Universal Information (UID) LED

Expansion Slots

- 1x UIO
 ■ 1x PCI-E 3.0 x8 Full-height Full-length

A Ya cfm Voltage ■ 1.5 V, 1.35 V

- | | |
|-----------------|--|
| Error Detection | <ul style="list-style-type: none"> ■ Corrects single-bit errors ■ Detects double-bit errors (using ECC memory) |
|-----------------|--|

On-Board Devices

- | | |
|---------------------|---|
| Chipset | <ul style="list-style-type: none"> ■ Intel® C602 Chipset |
| SATA | <ul style="list-style-type: none"> ■ SATA 2.0 3Gbps with RAID 0, 1, 5, 10 ■ SATA 3.0 6Gbps with RAID 0, 1 |
| IPMI | <ul style="list-style-type: none"> ■ Support for Intelligent Platform Management Interface v.2.0 ■ IPMI 2.0 with virtual media over LAN and KVM-over-LAN support ■ Nuvoton WPCM450 BMC |
| Network Controllers | <ul style="list-style-type: none"> ■ Intel® i350 Dual Port Gigabit Ethernet ■ Virtual Machine Device Queues reduce I/O overhead ■ Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output ■ 1x Realtek RTL8201F PHY (dedicated IPMI) |
| Graphics | <ul style="list-style-type: none"> ■ Matrox G200eW |

Input / Output

- | | |
|----------------------|---|
| SATA/SAS | <ul style="list-style-type: none"> ■ Customizable storage |
| LAN | <ul style="list-style-type: none"> ■ 2x RJ45 Gigabit Ethernet LAN ports ■ 1x RJ45 Dedicated IPMI LAN port |
| USB | <ul style="list-style-type: none"> ■ 8x USB 2.0 ports total (2 rear + 4 via header + 2 Type A) |
| VGA | <ul style="list-style-type: none"> ■ 1x VGA port |
| Serial Port / Header | <ul style="list-style-type: none"> ■ 2x Fast UART 16550 ports / 1 rear and 1 header |

■ [UIO AOC Compatibility Matrix](#)

PCI-Express

(Both CPUs need to be installed for full access to PCI-E slots and onboard controllers. See manual block diagram and [AOC Support](#) for details.)

Drive Bays

- | | |
|----------|--|
| Hot-swap | <ul style="list-style-type: none"> ■ 8x Hot-swap 2.5" SAS / SATA HDD trays (Ready for UIO or PCI-E storage controller card) |
|----------|--|

Peripheral Drives

- | | |
|---------|---|
| DVD-ROM | <ul style="list-style-type: none"> ■ Slim DVD-ROM drive (optional) |
|---------|---|

Backplane

SAS/SATA HDD Backplane
(SAS support requires optional SAS controller)

System Cooling

- | | |
|------|--|
| Fans | <ul style="list-style-type: none"> ■ 4x 4cm Counter-rotating PWM Fans |
|------|--|

Power Supply with Power Distributor

500W high-efficiency (94%+) redundant power supplies w/ PMBus and I²C

- | | |
|------------------------|---|
| AC Input | <ul style="list-style-type: none"> ■ 100-240 V, 50-60 Hz, 6.2-2.6 Amp |
| DC Output | <ul style="list-style-type: none"> ■ 3 Amp @ +5V standby ■ 42 Amp @ +12V |
| With Power Distributor | <ul style="list-style-type: none"> ■ +5V: 25 Amp ■ +3.3V: 12 Amp ■ -12V: 0.6 Amp |

Certification



Platinum Certified
[[Test Report](#)]

System BIOS

- | | |
|---------------|---|
| BIOS Type | <ul style="list-style-type: none"> ■ 64Mb SPI Flash EEPROM with AMI BIOS |
| BIOS Features | <ul style="list-style-type: none"> ■ Plug and Play (PnP) ■ APM 1.2 ■ PCI 2.2 ■ ACPI 1.0 / 2.0 / 3.0 / 4.0 ■ BIOS resume hot keys ■ USB Keyboard support ■ SMBIOS 2.3 ■ UEFI |

Operating Environment / Compliance

- | | |
|---------------------|--|
| RoHS | <ul style="list-style-type: none"> ■ RoHS Compliant |
| Environmental Spec. | <ul style="list-style-type: none"> ■ Operating Temperature: 5°C to 35°C (41°F to 95°F) ■ Non-operating Temperature: -40°C to 60°C (-40°F to 140°F) ■ Operating Relative Humidity: 8% to 90% (non-condensing) ■ Non-operating Relative Humidity: 5% to 95% (non-condensing) |

Parts List

Parts List - (Items Included)			
	Part Number	Qty	Description
Motherboard / Chassis	MBD-X9DBU-iF	1	Super X9DBU-iF Motherboard
	CSE-113TQ-R500UB	1	1U Chassis
Backplane	BPN-SAS-113TQ-O-P	1	BPN-SAS-113TQ-O-P
Cable 1	CBL-0288L-01	1	IPASS TO 4 SATA 70/60/50/50CM, W/ 70CM SB, RA ,30AWG
Cable 2	CBL-0388L-01	1	IPASS TO 4 SATA 75/75/90/90CM W/ 75cm SB. RA. 30AWG
Riser Card	RSC-R1UU-UE16-O-P	1	RSC-R1UU-UE16-O-P
Heatsink / Retention	SNK-P0037P	2	1U PASSIVE CPU HS FOR INTEL LGA1366 (HTP)
Power Supply	PWS-504P-1R	2	500W 1U Redundant PWS W/ 54.5MM Wide
Rail Set	MCP-290-00043-0V	1 set	Rail set for SC113

Optional Parts List			
	Part Number	Qty	Description
Storage Controller Card(s) (PCI-E Only)	-	-	Please refer to our Storage Add-on Card Table
Network Card (PCI-E Only)	-	-	Please refer to our Network Add-on Card Table
DVD-ROM / DVD-RW	DVM-PNSC-DVD-SBT1 DVM-TEAC-DVD-SBT2 DVM-PLDS-DVDRW-SBT2 DVM-TEAC-DVDRW-SBT1	1	SLIM DVD-ROM / DVD-RW SATA DRIVE
DVD-ROM Accessory	MCP-220-81502-0N	1	Slim SATA DVD kit
Internal 2.5" HDD Tray (DVD Slot)	MCP-290-00036-0B	1	Black DVD dummy tray support 1x 2.5" HDD
Cables for on-board SATA2 connection	CBL-0206L	2	48CM SATA Cable ROUND S-S
	CBL-0227L	2	48CM SATA Cable ROUND S-RA
	CBL-0157L	2	8pin to 8pin ribbon cable with tube for SGPIO, 40cm
	CBL-0288L-01	1	IPASS to 4 SATA Cable, 30AWG 70/60/50/50CM, W/ 70CM SB, RA
Rail Set	MCP-290-00063-0N	1 set	Rail set, quick/quick, for 1U 17.2"W SC113