SuperServer 6025B-URV / 6025B-URB

Products   Systems   2U   [6025B-URV / 6025B-URB]

Integrated Board

Super X7DBU
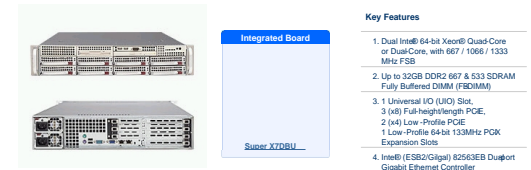
Available Colors: Black ▮   Silver ▯

Drivers & Utilities   BIOS   Tested Memory List   Manuals

Key Features

1. Dual Intel® 64-bit Xeon® Quad-Core or Dual-Core, with 667 / 1066 / 1333 MHz FSB
2. Up to 32GB DDR2 667 & 533 SDRAM Fully Buffered DIMM (FBDIMM)
3. 1 Universal I/O (UIO) Slot, 3 (x8) Full-height/length PCIE, 2 (x4) Low -Profile PCIE 1 Low-Profile 64-bit 133MHz PCIX Expansion Slots
4. Intel® (ESB2/Gilgal) 82563EB Dual-port Gigabit Ethernet Controller
5. 8 x 3.5" Hot-swap Drives Trays Customizable Storage
6. 700W High-efficiency Redundant Power Supply

Specifications

Product SKUs

SYS-6025B-URV	▪	SuperServer 6025B-URV (Silver)
SYS-6025B-URB	▪	SuperServer 6025B-URB (Black)

Motherboard

Super X7DBU

Processor/Cache

CPU	▪ Dual 771-pin LGA Sockets ▪ Supports up to two **Intel® 64-bit Xeon®** processor(s) of the same type below: 　　▪ **Quad-Core Intel ® Xeon® Processor 5400/5300 sequence (Harpertown /Clovertown processor)** up to 3.16 GHz 　　▪ **Dual-Core Intel ® Xeon® Processor 5200/5100/5000 sequence (Wolfdale /Woodcrest/Dempsey processor)** up to 3.40 GHz
System Bus	▪ 1333 / 1066 / 667 MHz system bus
Operating System Software	▪ Supports 64-bit Operating Systems ▪ Supports 32-bit Operating Systems

System Memory

Memory Capacity	▪ Eight 240-pin DIMM sockets ▪ Supports up to 32 GB 667 / 533MHz DDR2 ECC FBDIMM memory ▪ Dual branch memory bus ▪ Memory must be populated in pairs ▪ Memory Mirroring supported
Memory Type	▪ 667 / 533MHz FBDIMM (Fully Buffered DIMM) ECC DDR2 SDRAM 72-bit, 240-pin gold-plated DIMMs
DIMM Sizes	▪ 256MB, 512 MB, 1GB, 2GB, 4GB
Memory Voltage	▪ 1.8V only ▪ 1.5V (AMB)

On-Board Devices

Chipset	▪ Intel® 5000P (Blackford) chipset ▪ ESB2
Clock Generator	▪ IDT CV152
SATA	▪ Intel ESB2 SATA 3.0Gbps Controller ▪ RAID 0, 1, 5, 10 support (Windows Only) ▪ RAID 0, 1, 10 support (Linux)
IPMI	▪ Support for Intelligent Platform Management Interface v.2.0 ▪ 200-pin IPMI slot (SIMSO) ▪ **(Optional: AOC-SIMSO(+))**
Network Controllers	▪ Intel® (ESB2/Gilgal) 82563EB Dual-port Gigabit Ethernet Controller
Graphics	▪ ATI ES1000 controller with 16 MB of video memory
Super I/O	▪ Winbond 83627HF chip

Input / Output

Serial ATA	▪ Six Serial ATA ports
IDE	▪ Single EIDE channel supports up to two UDMA IDE devices (IDM, IDES) ▪ Supports UDMA Mode 5, PIO Mode 4, and ATA/100
Floppy	▪ 1 Floppy controller; 1.44 MB, 2.88 MB
LAN	▪ 2x RJ45 LAN ports
USB	▪ 2x USB rear ports ▪ 3x USB internal headers ▪ Total 5 USB 2.0 Compliant / 1.1 Compliant
VGA	▪ 1x VGA Port
Keyboard / Mouse	▪ PS/2 keyboard and mouse ports
Serial Port / Header	▪ 1 Fast UART 16550 serial port ▪ 1 Fast UART 16550 serial header

System BIOS

BIOS Type	▪ 8Mb Flash EEPROM with Phoenix BIOS
BIOS Features	▪ Plug and Play (PnP) ▪ SMBIOS 2.3 ▪ DMI 2.3 ▪ PCI 2.2 ▪ ACPI 1.0 / 2.0 ▪ USB Keyboard support

Chassis

Form Factor	▪ 2U Rackmount
Model	▪ SC825TQ-R700UV

Dimensions

Height	3.5" (89mm)
Width	17.2" (437mm)
Depth	25.5" (648mm)
Gross Weight	55 lbs (24.9kg)
Available Colors	Silver, Black

Front Panel

Buttons	• Power On/Off button • System Reset button
LEDs	• Power LED • Hard drive activity LED • 2x Network activity LEDs • System Overheat / Fan Fail LED • Power fail LED
Ports	2x USB Ports + DB9 COM Port

Expansion Slots

Left Side	▪ 1 Universal I/O (UIO) Slot ▪ 3 (x8) PCIE Slots (Full-height / Full length)
Right Side	▪ 2 (x4) PCIE Slots (Low-Profile) ▪ 1 64-bit 133MHz PCIX (3.3V) slot

Drive Bays

Hot-swap	▪ 8x 3.5"SATA Hot-swap drive trays ▪ Supports up to 6x SATA hard drives

Peripheral Drives

DVD-ROM	Slim 8x DVD, 24x CD, DVDROM Drive
Floppy	Slim 1.44MB Floppy Drive (Optional)

Backplane

1x 2U SAS/SATA backplane

System Cooling

Fans	▪ 3x 80mm 6300 RPM fans
Shroud	▪ 1x Air Shroud

Power Supply

700W (1 + 1) Redundant AGDC high-efficiency power supply w/ PFC

AC Voltage	▪ 100 - 240V, 60-50Hz, 10 - 4 Amp
+5V standby	▪ 4 Amp
+12V	▪ 57 Amp
+5V	▪ 30 Amp
+3.3V	▪ 24 Amp
-12V	▪ 0.6 Amp

PC Health Monitoring

CPU	▪ Monitors for CPU Cores, +1.8V, +3.3V, +5V, ±12V, +3.3V Standby, +5V Standby, VBAT, HT, Memory Voltage, Chipset Voltage ▪ 5-Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V
FAN	▪ Total of four 3-pin and four 4-pin fan headers supporting up to 8 fans ▪ 8x fans with tachometer status monitoring ▪ Status monitor for speed control ▪ Support 3-pin 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 ▪ PSU TC temperature sensing logic ▪ Thermal Monitor 2 (TM2) support ▪ PECI
LED	▪ CPU / System Overheat LED ▪ UID / Remote UID LED (IPMI Only)
Other Features	▪ Chassis intrusion detection ▪ Chassis intrusion header ▪ SDDC Support

Operating Environment / Compliance

Environmental Spec.	▪ Operating Temperature: 10° to 35°C (50° to 95°F) ▪ Non-operating Temperature: -40° to 70° C (-40° to 158°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	MBDX7DBUO-P	1	Super X7DBU Motherboard
	CSE825TQ-R700UV(B)	1	2U Silver Chassis (B = Black, V = Silver)
Air Shroud	MCP310-00022-00	1	2U Air Shroud
Backplane	BPN-SAS-825TQ	1	SAS / SATA Backplane [Manual]
Cable(s)	CBL-0084	1	6" 16-pin Front Control Split Cable
	CBL-0087	1	20" Round 16-pin to 16-pin Ribbon Cable
	CBL-0139L	1	50cm 80-Wire IDE (DVDROM) Cable
	CBL-0160L	2	Power Cord
	CBL-0188L	2	64cm IPASS(SFF8087) to 4 SATA Straight w/Sideband Cable
	CBL-0215L	1	45cm Round Floppy Cable
CD	CDRX7	1	Driver CD
Drive Tray(s)	MCP220-00001-03(01)	8	Silver Hot-swappable Hard Drive Tray (01 = Black, 03 = Silver)
	MCP220-00007-03	1	Silver USB Assembly Tray
	MCP290-00003-03	1	Silver Floppy Drive Tray Front Cover
Fan(s)	FAN-0094L	3	2U, 8cm 6300 RPM Fan
Heatsink / Retention	SNK-P0025P	2	Please refer to our Thermal Components Matrix
Manual(s)	MNL-0933	1	SS6025B-URV User's Manual
Mounting Rails	MCP290-00002-00	1	SC825 2U Chassis Mounting Rails
Peripheral Drives	DVM-PNSG824V(B)	1	Silver Panasonic 8x DVD, 24x CD, DVDROM Drive (B = Black)
Power Supply	PWS702A-1R	2	700W Redundant Power Supply
	PDB-PT825N20	1	Power Distributor
Riser Card	RSC-R2UUX2E4R	1	2U Right Side Riser, 2x PCIE (x4) + 1x PCIX 133 Slot
	RSC-R2UUUA3E8	1	2U Left Side Riser, 1UIO, 3 PCIE x8 Slots

Optional Parts List

	Part Number	Qty	Description
IPMI	AOC-SIMSO	-	IPMI 2.0 w/ Virtual Media Over LAN
	AOC-SIMSO+	-	IPMI 2.0 w/ Virtual Media + KVM Over LAN
Peripheral Drives	FPDCITZNS(B)	-	1.44MB Slim Floppy Drive (B = Black)
Riser Card	RSC-R2UUAX	-	2U - 1x UIO Slot + 1x 133MHz, 2x 133/100MHz PCI Slots - Left Side
UIO Controller Card(s)	-	-	Please refer to our UIO Add-on Card Table