

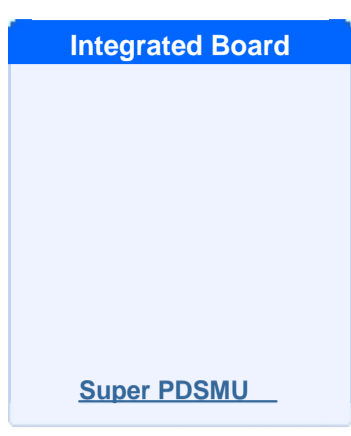
SuperServer 5025M-URV / 5025M-URB

Products Systems 2U [5025M-URV / 5025M-URB]



Available Colors: Black Silver

[Drivers & Utilities](#) | [BIOS](#) | [Tested Memory List](#) | [Manuals](#)



Key Features

- Xeon® 3200/3000 Series, Pentium® D, Pentium Extreme Edition, Pentium 4, & Celeron D in LGA775 Package (FSB 1066/800/533)
- Up to 8GB unbuffered ECC / nonECC DDR2 667/533 SDRAM
- 1 Universal I/O (UIO) Slot, 3 PCIe x8 (Fullheight / Fulllength) Expansion Slots
- Intel® 82573V + Intel® 82573L PCIe Gigabit Ethernet Controllers
- 8 x 3.5" Hot-swap Drives Trays
- 700W High-efficiency Redundant Power Supply

Specifications

Product SKUs	
SYS-5025M-URV	SuperServer 5025M-URV (Silver)
SYS-5025M-URB	SuperServer 5025M-URB (Black)

Motherboard	
Super PDSMU	

Processor/Cache	
CPU	Single LGA775 ZIF Socket
	Supports an Intel® Xeon® 3200 Series quad-core processor
	Supports an Intel® Xeon® 3000 Series (Conroe) dual-core processor
	Supports an Intel® Pentium® D dual-core processor
	Supports an Intel® Pentium® Extreme Edition processor
Supports an Intel® Pentium® 4 processor	
Supports an Intel® Celeron® D processor	

System Bus	1066 / 800 / 533 MHz system bus
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System Memory	
Memory Capacity	Four 240-pin DIMM sockets Supports up to 8 GB of memory (Single / Dual Channel)
Memory Type	DDR2 667/533MHz unbuffered, ECC / non-ECC SDRAM, 24pin gold-plated DIMMs
DIMM Sizes	256 MB, 512 MB, 1 GB, 2GB
Memory Voltage	1.8V only

On-Board Devices	
Chipset	Intel 3010 (Mukiltee2P) chipset ICH7R + PXH + Intel® 82573V + Intel® 82573L
Serial ATA	Intel® ICH7R SATA controller built-in (3 Gbps) RAID 0, 1, 5, 10 support (Windows Only) RAID 0, 1, 10 support (Linux)
IPMI	Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN & optional KVM-over-LAN support SIMSO Slot- Supermicro Intelligement Management (Optional: AOC-SIMSO+) NOTE: Must use Dedicated LAN for IPMI function
Network Controllers	2x Single-port Gigabit PCIExpress Ethernet Controllers Intel® 82573V + Intel® 82573L Supports 10BASE-T, 100BASE-T, 1000BASE-T, RJ45 output
VGA	On-board ATI ES1000 (16MB) graphics
Super I/O	Winbond 83627HG chip
Clock Generator	CK410

Input / Output	
Serial ATA	Four Serial ATA ports (3 Gbps performance) Four SATA hard drives supported
IDE	One EIDE channel supports up to two UDMA IDE devices Supports UDMA Mode 5, PIO Mode 4, and ATA/100
Floppy	1 Floppy controller; 1.44 MB
LAN	2x RJ45 LAN ports
USB	Up to 6x USB 2.0 / 1.1 compliant ports 2 rear ports 2 internal header for 4 USB 2.0/1.1 ports
VGA	1x VGA port
Keyboard / Mouse	PS/2 keyboard and mouse ports
Serial Ports	1x Fast UART 16550 serial port 1x internal header

System BIOS	
BIOS Type	8Mb Flash EEPROM with Phoenix BIOS®
BIOS Features	Plug and Play (PnP) DMI 2.3 support PCI 2.2 ACPI 1.0 SMBIOS 2.3 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 (Fullheight / Full length)

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, DVBROM 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 ĆC 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	MBDPDSMUO-P	1	Super PDSMU Motherboard
	CSE-825TQ-R700UV(B)	1	2U Silver Chassis (B = Black, V = Silver)
Backplane	BPNSAS-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 (DVBROM) 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	CDR-X7	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 Front
Fan(s)	FAN-0094L	3	2U, 8cm 6300 RPM Fan
Manual(s)	MNL-0932	1	SS5025M-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, DVBROM Drive (B = Black)
Power Supply	PWS-702A-NR	2	700W Redundant Power Supply
	PDBPT825N20	1	Power Distributor
Riser Card	RSCR2UUUA3E8-O-P	1	2U Riser, 1 UIO Slot, Active (1 Bridge) 3 PCIe x8 Slots

Optional Parts List			
	Part Number	Qty	Description
Heatsink / Retention	SNK-P0015A4	1	Please refer to our Thermal Components Matrix
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)
UIO Controller Card(s)	-	-	Please refer to our UIO Addon Card Table