SuperServer 6015TC-TB / 6015TC-TV
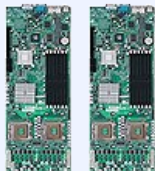
Products ▶ Systems ▶ 1U ▶ [**6015TC-TB / 6015TC-TV**]

Integrated Boards

Super X7DCT

Available Colors: Black ▇

▶ **Drivers & Utilities** ▶ **BIOS** ▶ **Tested Memory List** ▶ **Manuals**

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

Key Features

Two systems (nodes) in a 1U form factor. Each node supports the following:

1. Quad & Dual Core Intel® 64-bit Xeon® Support 1333 / 1066 MHz FSB

2. Up to 48GB 667/533MHZ DDR2 ECC Registered DIMM

3. 1 (x16) PCI-e slot (Low Profile)

5. Intel® 82573V + 82573L Gigabit Ethernet Controller

6. 2x Hot-swap SATA Drive Bays

7. 780W High-efficiency Power Supply

Specifications

Product SKUs	
SYS-6015TC-TB	SuperServer 6015TC-TB (**Black**)
Motherboards	

Super X7DCT + Super X7DCT

Processor/Cache	

CPU	• Dual 771-pin LGA Sockets
	• Supports up to Dual **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 sequence (Wolfdale/Woodcrest processor)** up to 3.40 GHz

System Bus	• 1333 / 1066 MHz system bus
Operating System Software	• Supports 64-bit Operating Systems • Supports 32-bit Operating Systems

System Memory (per Node)	
Memory Capacity	• Six 240-pin DIMM sockets • Supports up to 48 GB 667/533MHz DDR2 ECC Register DIMM memory • Dual channels memory bus
Memory Type	• 677/533MHzECC Register DDR2 SDRAM 72-bit, 240-pin gold-plated DIMMs
DIMM Sizes	• 1GB, 2GB, 4GB, 8GB**
Memory Voltage	• 1.8V only
Error Detection	• Corrects single-bit errors • Detects double-bit errors (using ECC memory) • Supports Intel® x4 and x8 Single Device Data Correction (SDDC)

On-Board Devices (per Node)	
Chipset	• Intel® 5100 (San Clemente) chipset • Intel® ICH9R SB
SATA	• Intel ICH9R SB SATAII Controller • RAID 0, 1, 5, 10 support (Windows) • RAID 0, 1, 10 support (Linux)

Chassis	
Form Factor	• 1U Rackmount
Model	• SC808T-780
Dimensions	
Height	• 1.7" (43mm)
Width	• 17.2" (437mm)
Depth	• 27.75" (705mm)
Gross Weight	• 40 lbs (18.1kg)
Available Colors	• Black

Front Panel (per Node)	
Buttons	• Power On/Off button • System Reset button
LEDs	• Power LED • Hard drive activity LED • 2x Network activity LEDs • System Overheat LED

Expansion Slots (per Node)	
PCI-Express	• 1 (x16) PCI-e slot (Low Profile)

Drive Bays (per Node)	
Hot-swap	• 2x 3.5" SATA Hot-swap drive bays

SATA Backplane	
1U SATA Backplane	

System Cooling	
Fans	• 6x Cooling Fans

Power Supply	
780W AC to DC power supply w/ PFC	
AC Input	• 100-240V, 60-50Hz, 9.5-3.5Amp
+5V sb	• 4 Amp
+12V	• 65 Amp @ 180-240Vac • 58 Amp @ 100-140Vac

Management	
Software	• Optional IPMI (Intelligent Platform Management Interface) v1.5 / 2.0 • SuperDoctor® III • Watch Dog • NMI
Power Configurations	• ACPI Power Management • Main Switch Override Mechansim • Power-on mode for AC power recovery

PC Health Monitoring	

IPMI	• Support for Intelligent Platform Management Interface v.2.0 / 1.5 • 200-pin IPMI slot (SIMSO(+)) • **(Optional: AOC-SIMSO(+))** • KVM feature is available with dedicated LAN only	**CPU**	• Monitors for CPU Cores,+1.5V, +3.3V, +5V, ±12V, +5 Stdby, VBAT • CPU Core 5-Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V
Network Controllers	• Intel® 82573V & 82573L Gigabit Ethernet Controllers • Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output • **Intel® I/OAT** support for fast, scaleable, and reliable networking	**FAN**	• Total of three 4-pin fans • 3x fans with tachometer monitoring • Status monitor for speed control • Status monitor for on/off control • Low noise fan speed control
Graphics	• ATI ES1000 controller with 32 MB of video memory	**Temperature**	• Monitoring for CPU and chassis environment • CPU thermal trip support • Thermal Control for 8x Fan Connectors • PSU I^{2}C temperature sensing logic • Thermal Monitor 2 (TM2) support • PECI
Super I/O	• Winbond W83627HG chip		
Clock Generator	• ICS9LPR501 chip		
Input / Output (per Node)		**LED**	• CPU / System Overheat LED • Suspend-state Indicator LED
Serial ATA	• Four Serial ATA ports • Four SATA hard drives supported	**Other Features**	• SDDC Support
LAN	• 2x RJ45 LAN ports	**Operating Environment**	
USB	• 2 rear + 1 Type A connector + 2 headers (2 Ports) • 5 total USB ports, 2.0 Compliant / 1.1 Compliant	**Environmental Specifications**	• Operating Temperature: 10°C to 35°C (50°F to 95°F) • Non-operating Temperature: -40°C to 70°C (-40°F to 158°F) • Operating Relative Humidity: 8% to 90% (non-condensing) • Non-operating Relative Humidity: 5% to 95% (non-condensing)
VGA	• 1x VGA Port		
Serial Port / Header	• 1 Fast UART 16550 serial port		
System BIOS			
BIOS Type	• 16Mb SPI Flash with Phoenix ® BIOS		
BIOS Features	• Plug and Play (PnP) • DMI 2.3 • PCI 2.2 • ACPI 1.0/2.0/3.0 • USB Keyboard support • Hardware BIOS Virus protection		

Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X7DCT-B	2	Super X7DCT Motherboard
	CSE-808T-780B	1	1U Black SC808 Chassis
Backplnae	BPN-SAS-808	1	1U SAS / SATA Backplane
Cable(s)	CBL-0087	2	Front Panel Switch Cable (Round), 16-pin to 16-pin, 51cm, Pb-free
	CBL-0201L	1	SATA Set of 4 (Round) Straight to Right Angle, (51/47/41/37)cm
	CBL-0212L	1	Power Cord
CD	CDR-X7	1	Driver CD
Fan(s)	FAN-0085L4	6	4-pin Counter-rotating Cooling Fan
Front Panel	MCP-280-81301-0N	2	Front Control Panel
Hard Drive	MCP-220-00001-03(01)	4	Silver Hot-swappable Hard Drive Trays (01 = Black)
Heatsink / Retention	SNK-P0017	4	Please refer to our Thermal Components Matrix
Mounting Rails	CSE-PT51L	1	1U Mounting Rail Kit
Power Distributor	PDB-PT808-S20	1	Power Backplane
Power Supply	PWS-781-1S	1	780W 1U Cold Swap 12V power supply
Riser Card	RSC-R1U-E16R	2	1U: PCI- E x16 Slot to 1 PCI-E x16 Slot

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