SuperServer 6015T-INFV / 6015T-INFB

Integrated Boards
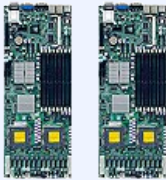
Super X7DBT-INF

Available Colors: Black ■ Silver □

▸ Drivers & Utilities ▸ BIOS ▸ Tested Memory List ▸ Manuals

Key Features

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

1. Dual-processor Quad & Dual Core Intel® 64-bit Xeon® Support, 667 / 1066 / 1333MHz FSB

2. Up to 32GB DDR2 667 & 533 SDRAM Fully Buffered DIMM (FB-DIMM)

3. 1 (x8) PCI-Express

5. Intel® (ESB2/Gilgal) 82563EB Dual-port Gigabit Ethernet Controller

6. 2x Hot-swap SATA Drive Bays

7. Infiniband MT25204 20Gbps Controller

8. 900/980W High-efficiency Power Supply

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

Specifications

Product SKUs	
SYS-6015T-INFV	■ SuperServer 6015T-INFV (**Silver**)
SYS-6015T-INFB	■ SuperServer 6015T-INFB (**Black**)

Motherboards	
2x X7DBT-INF	

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 (per Node)	
Memory Capacity	■ Eight 240-pin DIMM sockets ■ Supports up to 32 GB 667 / 533MHz DDR2 ECC FB-DIMM memory ■ Dual branch memory bus ■ Memory must be populated in pairs ■ Memory Mirroring supported
Memory Type	■ 667 / 533MHz FB-DIMM (Fully Buffered DIMM) ECC DDR2 SDRAM 72-bit, 240-pin gold-plated DIMMs
DIMM Sizes	■ 512 MB, 1GB, 2GB, 4GB
Memory Voltage	■ 1.8V only ■ 1.5V (AMB)
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	
Chipset	■ Intel® 5000P (Blackford) chipset ■ MCH + ESB2
Infiniband	■ Mellanox MT25204AD-FCC-D Single-Port
SATA	■ Intel ESB2 SATA 3.0Gbps Controller ■ RAID 0, 1, 5, 10 support (Windows Only) ■ RAID 0, 1, 10 support (Linux) ■ Support for Intelligent Platform Management

Chassis	
Form Factor	■ 1U Rackmount
Model	■ SC808T-980V(B)

Dimensions	
Height	■ 1.7" (43mm)
Width	■ 17.2" (437mm)
Depth	■ 27.75" (705mm)
Gross Weight	■ 40 lbs (18.1kg)
Available Colors	■ Silver, 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 (x8) PCI-e slot

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	
980W AC-DC power supply w/ PFC	
AC Input	■ 100 - 240V, 60-50Hz, 14-6 Amp
+5V sb	■ 4 Amp
+12V	■ 81 Amp

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

Operating Environment / Compliance	
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)

IPMI		Interface v.2.0, v.1.5
		200-pin IPMI slot (SIMSO)
		(Optional: AOC-SIMSO(+))
Network Controller		Intel® (ESB2/Gilgal) 82563EB Dual-Port Gigabit Ethernet Controller
		Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
		Intel® I/OAT support for fast, scaleable, and reliable networking
Graphics		ATI ES1000 controller with 16 MB of video memory
Super I/O		Winbond 83627HF chip
Clock Generator		CK410B
Input / Output (per Node)		
Serial ATA		Four Serial ATA ports
LAN		2x RJ45 LAN ports
USB		2x USB rear ports
		2x USB internal headers
		Total B 2.0 Compliant
VGA		1x VGA Port
Serial Port		1 Fast UART 16550 serial port

Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X7DBT-INF-B	2	Super X7DBT-INF Motherboard
	CSE-808T-980V(B)	1	1U Silver SC808 Chassis (B = Black)
Backplane	BPN-SAS-808	1	1U SAS / SATA Backplane
Cable(s)	CBL-0087	1	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-0085L	6	6-pin Counter-rotating Cooling Fan
Front Panel	MCP-280-81301-0N	1	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-981-1S	1	980W 1U Cold Swap 12V power supply
Riser Card	RSC-R1U-E8R	2	1U: PCI- E x8 Slot to 1 PCI-E x8 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