

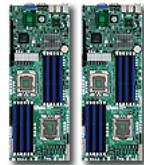


SuperServer 6016TT-TF

Products > Systems > 1U > [6016TT-TF]



Integrated Boards



Super X8DTT-F

Key Features

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

1. Intel® Xeon® processor 5600/5500 series, with QPI up to 6.4 GT/s
2. Up to 192GB** DDR3 1333/ 1066/ 800MHz ECC Registered DIMM / 48GB Unbuffered DIMM
3. 1 (x16) PCI-E (Low Profile)
4. Integrated IPMI 2.0 with KVM and Dedicated LAN
5. Intel® 82576 Dual-Port Gigabit Ethernet Controller
6. 2x Hot-swap SATA Drive Bays
7. 1200W Gold-level High-efficiency Power Supply

Available Colors: Black

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

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

Specifications

Product SKUs

SYS-6016TT-TF ■ SuperServer 6016TT-TF (Black)

Motherboards

Super X8DTT-F + Super X8DTT-F

Processor/Cache

- Dual 1366-pin LGA Sockets
- Supports up to two Intel® 64-bit Xeon® processor(s) of the same type below:

CPU

- Intel® Xeon® Processor X5600/E5600/L5600 Series (Westmere) 40W - 130W
- Intel® Xeon® Processor X5500/E5500/L5500 Series (Nehalem-EP) 38W - 95W

QPI

- up to 6.4 GT/s

System Memory

Memory Capacity

- 12x 240-pin DIMM slots
- Supports up to 192 GB** 1333 / 1066 / 800MHz DDR3 ECC Registered memory
- Supports up to 48 GB 1333 / 1066 / 800MHz DDR3 ECC / Non ECC Unbuffered memory
- Memory Mirroring supported

Memory Type

- 1333 / 1066 / 800MHz ECC Registered / ECC or Non ECC Unbuffered DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs

DIMM Sizes

- 1GB, 2GB, 4GB , 8GB** , 16GB**

Memory Voltage

- 1.5 V

Error Detection

- Corrects single-bit errors
- Detects double-bit errors (using ECC memory)
- Supports Intel® x4 and x8 Single Device Data Correction (SDCC)

On-Board Devices (per Node)

Chipset

- Intel® 5500 (Tylersburg) chipset
- ICH10R + IOH-24D

SATA

- Intel ICH10R SATA 3.0Gbps Controller
- RAID 0, 1 support

IPMI

- 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

- Intel® 82576 Dual-Port Gigabit Ethernet Controller
- Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
- Intel® I/OAT 3 support for fast, scaleable, and reliable networking
- VMDq support for better performance of virtualization
- 1x Realtek RTL8201N PHY (dedicated IPMI)

Chassis

Form Factor ■ 1U Rackmount

Model ■ **CSE-808T-1200B**

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 (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

1200W high-efficiency power supply with PMBus

AC Input ■ 1000W Output @ 100-140V, 11.5-8A, 50-60Hz
■ 1200W Output @ 180-240V, 8-5.5A, 50-60Hz

DC Output ■ 1000W: +12V/83A; +5Vsb/4A
■ 1200W: +12V/100A; +5Vsb/4A

Certification



Gold Certified [Test Report]

Management

Software ■ IPMI (Intelligent Platform Management Interface) v1.5 / 2.0 with KVM support
■ SuperDoctor® III
■ Watch Dog
■ NMI

Power Configurations ■ ACPI Power Management
■ Main Switch Override Mechanism
■ Power-on mode for AC power recovery

PC Health Monitoring

| | |
|----------------------------------|--|
| Graphics | <ul style="list-style-type: none"> Matrox G200eW 16 MB DDR2 |
| Super I/O | <ul style="list-style-type: none"> Winbond W83527HG chip |
| Clock Generator | <ul style="list-style-type: none"> 932S421 chip |
| Input / Output (per Node) | |
| Serial ATA | <ul style="list-style-type: none"> Six Serial ATA ports Six SATA hard drives supported |
| LAN | <ul style="list-style-type: none"> 2x RJ45 LAN ports 1x RJ45 Dedicated IPMI LAN port |
| USB | <ul style="list-style-type: none"> 2 rear + 1 header (2 Ports) 4 total USB ports, 2.0 Compliant / 1.1 Compliant |
| VGA | <ul style="list-style-type: none"> 1x VGA Port |
| Serial Port | <ul style="list-style-type: none"> 1 Fast UART 16550 serial port |
| System BIOS (per Node) | |
| BIOS Type | <ul style="list-style-type: none"> 32Mb SPI Flash EEPROM with AMI® BIOS |
| BIOS Features | <ul style="list-style-type: none"> Plug and Play (PnP) PCI 2.2 ACPI up to 3.0 USB Keyboard support |

| | |
|---|---|
| CPU | <ul style="list-style-type: none"> Monitors for CPU Cores, +1.5V, +3.3V, +5V, +12V, +5 Stdby, +3.3 Stdby, VBAT, Memory Voltages. CPU Core 6-Phase-switching voltage regulator |
| FAN | <ul style="list-style-type: none"> Total of four 4-pin PWM fans 4x fans with tachometer monitoring Status monitor for speed control Status monitor for on/off control Low noise fan speed control |
| Temperature | <ul style="list-style-type: none"> Monitoring for CPU and chassis environment CPU thermal trip support Thermal Control for 4x Fan Connectors PSU I²C temperature sensing logic Thermal Monitor 2 (TM2) support PECI |
| LED | <ul style="list-style-type: none"> Power Fail / Overheat LED Suspend-state Indicator LED UID LED |
| Other Features | <ul style="list-style-type: none"> SDDC Support |
| Operating Environment / Compliance | |
| RoHS | <ul style="list-style-type: none"> RoHS Compliant |
| Environmental Spec. | <ul style="list-style-type: none"> 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

[See Parts List](#)

Parts List - (Items Included)

| | Part Number | Qty | Description |
|------------------------------|------------------|-------|---|
| Motherboard / Chassis | MBD-X8DTT-F | 2 | Super X8DTT-F Motherboard |
| | CSE-808T-1200B | 1 | 1U Chassis |
| Backplane | BPN-SAS-808-O-P | 1 | BPN-SAS-808-O-P |
| Cable 1 | CBL-0201L | 1 | SATA SET OF 4 51/47/41/37CM. S-RA. 26AWG |
| CD | CDR-X8 | 1 | For X8 series |
| Riser Card | RSC-R1U-E16R | 2 | RSC-R1U- |
| Heatsink / Retention | SNK-P0037P | 4 | 1U PASSIVE CPU HS FOR INTEL LGA1366 (HTP) |
| Power Supply | PWS-1K21P-1R | 1 | 1200W 1U GOLD LEVEL PWS WITH PM BUS |
| Mounting Rails | MCP-290-00042-0V | 1 set | Rail set for SC808,809,818 |

[Hide Parts List](#)

** Please check '[Tested Memory List](#)' for compatibility

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