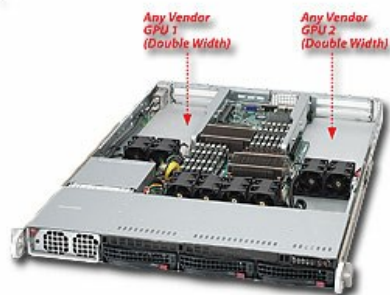


SuperServer 6016GT-TF

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Integrated Boards



X8DTG-DF

Available Colors:

Black



[▶ Drivers & Utilities](#)
[▶ BIOS](#)
[▶ IPMI](#)
[▶ Tested Memory](#)
[▶ Manuals](#)
[▶ Drive Options](#)

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

Specifications

Product SKUs - Discontinued SKU (EOL). Please contact sales-rep for alternative options.

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

Motherboards

[Super X8DTG-DF](#)

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 - 95W**
- **Intel® Xeon® Processor X5500/E5500/L5500 Series (Nehalem-EP) 38W - 95W**

QPI ■ up to 6.4 GT/s

System Memory

- 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 Capacity ■ 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 / 1.35V

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® 5520 (Tylersburg) chipset ■ ICH10R + IOH-36D

SATA ■ Intel ICH10R SATA 3.0Gbps Controller ■ RAID 0, 1, 5, 10 support (Windows) ■ RAID 0, 1, 10 support (Linux)

- Support for Intelligent Platform Management Interface v.2.0

Key Features

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 (x4) PCI-E 2.0 (Low Profile)
4. Integrated IPMI 2.0 with KVM and Dedicated LAN
5. Intel® 82576 Dual-Port Gigabit Ethernet Controller
6. 3x Hot-swap SATA Drive Bays
7. 1400W Gold-level High-efficiency Power Supply
8. 2x PCI-E 2.0 (x16) slots (1 on each side)

Chassis

Form Factor ■ 1U Rackmount

Model ■ [CSE-818G-1400B](#)

Dimensions

Height ■ 1.7" (43mm)

Width ■ 17.2" (437mm)

Depth ■ 28.2" (716mm)

Gross Weight ■ 38 lbs (17.2 kg)

Available Color ■ Black

Front Panel

Buttons ■ Power On/Off button ■ System Reset button

LEDs ■ Power LED ■ Hard drive activity LED ■ 2x Network activity LEDs ■ System Overheat LED / Fan fail LED / UID LED

Expansion Slots

PCI-Express ■ 1 (x4) PCI-E 2.0 (in x16 slot -Low Profile) ■ [AOC Compatibility Matrix](#)

Drive Bays

Hot-swap ■ 3x 3.5" Hot-swap drive bays

Backplane

SAS/SATA HDD Backplane (SAS support requires optional SAS controller)

System Cooling

Fans ■ 8x 4cm heavy-duty counter-rotating PWM fans with optimal fan speed control

Power Supply

1400W high-efficiency power supply with PMBus

AC Input ■ 1200W: 100 - 140V, 50 - 60Hz, 10.5 - 14.7 Amp ■ 1400W: 180 - 240V, 50 - 60Hz, 7.2 - 9.5 Amp

DC Output +5V standby ■ 4 Amp

DC Output +12V ■ 100 Amp @ 100-140V ■ 117 Amp @ 180-240V

With Power Distributor ■ +5V: 14 Amp

IPMI	■ 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)
Graphics	■ Matrox G200eW 16MB DDR2
Super I/O	■ Winbond W83527HG chip
Clock Generator	■ 932S421 chip
Input / Output	
Serial ATA	■ Six Serial ATA ports ■ Six SATA hard drives supported
LAN	■ 2x RJ45 LAN ports ■ 1x RJ45 Dedicated IPMI LAN port
USB	■ 2 rear + 1 header (2 Ports) ■ 4 total USB ports, 2.0 Compliant / 1.1 Compliant
VGA	■ 1x VGA Port
Serial Port	■ 1 Fast UART 16550 serial port
System BIOS	
BIOS Type	■ 32Mb SPI Flash EEPROM with AMI® BIOS
BIOS Features	■ Plug and Play (PnP) ■ PCI 2.2 ■ ACPI up to 3.0 ■ USB Keyboard support

Certification	 Gold Certified [Test Report]
PC Health Monitoring	
CPU	■ Monitors for CPU Cores, +1.5V, +3.3V, +5V, +12V, +5 Stdbby, +3.3 Stdbby, VBAT, Memory Voltages. ■ CPU Core 6-Phase-switching voltage regulator
FAN	■ 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	■ 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	■ Power Fail / Overheat LED ■ Suspend-state Indicator LED ■ UID LED
Other Features	■ SDDC Support
Operating Environment / Compliance	
RoHS	■ RoHS Compliant
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

[See Parts List](#)

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