SuperServer 2026GT-TRF

Integrated Board

X8DTG-QF+

Available Colors: Black

▸ Drivers & Utilities ▸ BIOS ▸ IPMI ▸ Tested Memory ▸ Tested HDD
▸ Manuals ▸ Compatible GPU List

Key Features

1. Intel® Xeon® processor 5600/5500 series (dual), with QPI up to 6.4 GT/s
2. Up to 96GB DDR3 1333/1066/800MHz ECC Registered DIMM
3. 4 (x16) PCI-E 2.0 slots (support 4 GPU cards, i.e. M2090, M2070, M2050)
4. 1 PCI-E 2.0 (x8), 2 PCI-E 1.0 (x4), and 1 PCI-E 2.0 (x8) low-profile slots
5. Integrated IPMI 2.0 with KVM and Dedicated LAN
6. Intel® 82576 Dual-Port Gigabit Ethernet Controller
7. 10x Hot-swap 2.5" SATA Drive Bays (4 spares)
8. 1800W Platinum-level Redundant Power Supplies
9. 5x heavy-duty fans with optimal fan speed control
10. Smart server management tools

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

Specifications

Product SKUs	
SYS-2026GT-TRF	SuperServer 2026GT-TRF (**Black**)

Motherboard	
X8DTG-QF+	

Processor/Cache	
CPU	Dual 1366-pin LGA Sockets Supports up to two **Intel® 64-bit Xeon®** processor(s) of the same type below: ▪ **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	6x 240-pin DIMM sockets Supports up to 96 GB 1333 / 1066 / 800MHz DDR3 ECC Registered memory Memory Mirroring supported
Memory Type	1333 / 1066 / 800MHz ECC Registered 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	
GPU	Supports 4 GPU Cards such as NVIDIA Fermi M2090, M2070, M2050
Chipset	Dual Intel® 5520 (Tylersburg) chipset + PLX 8647 + ICH10R
SATA	Intel ICH10R SATA 3.0Gbps Controller RAID 0, 1, 5, 10 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 GbE 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	6 Serial ATA ports 6 SATA hard drives supported
LAN	2 RJ45 LAN ports 1 RJ45 Dedicated IPMI LAN port
USB	2 rear USB 2.0 ports
Serial Port	1 Serial header
Video	1 VGA Connector

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

Chassis	
Form Factor	2U Rackmount
Model	**CSE-218G-R1800B**

Dimensions	
Height	3.5" (89mm)
Width	17.2" (437mm)
Depth	30.0" (762mm)
Gross Weight	47 lbs (21.32 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	4 PCI-E 2.0 (x16), full-height full-length (support any double width cards) 1 PCI-E 2.0 (x8), full-height full-length 2 PCI-E 1.0 (x4), full-height full-length 1 PCI-E 2.0 (x8), low-profile via riser card AOC Compatibility Matrix

Drive Bays	
Hot-swap	10x 2.5" Hot-swap SATA drive bays (4 spares)

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

System Cooling	
Fans	5x 8cm heavy-duty fans with optimal fan speed control

Power Supply	
1800W (1+1) Redundant 1800W power supply with PMBus	
AC Input	1000W Output @ 100-120V, 12-10A, 50-60Hz 1200W Output @ 120-140V, 12-10A, 50-60Hz 1800W Output @ 200-240V, 10-8.5A, 50-60Hz
DC Output	1000W: +12V/84A; +5Vsb/4A 1200W: +12V/100A; +5Vsb/4A 1800W: +12V/150A; +5Vsb/4A
Certification	80 PLUS PLATINUM 94% **Platinum Certified**

PC Health Monitoring	
CPU	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	Total of five 4-pin PWM fans 5x 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 I^2C 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

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X8DTG-QF+	1	Super X8DTG-QF+ Motherboard
	CSE-218G-R1800B	1	2U Black SC218G Chassis
Backplane	BPN-SAS-218A	1	SAS Backplane for 2U GPU, x10 2.5
Cable 1	CBL-0294L-02	2	Cross-over Ipass to 4 SATA w/SB. S. 58cm. 30AWG
Cable 2	CBL-0333L	4	6+2 pin to 8 pin GPU power extension from MB, 30cm. 18/20AWG
Cable 3	CBL-0460L	1	8 Pin to Two 4 Pin Backplane Power Ext. 28/22cm. 18AWG
CD	CDR-X8	1	For X8 series
Riser Card	RSC-R2UG-2E4E8	1	RSC-R2UG-2E4E8-O-P
Riser Card	RSC-R2UG-2E16	1	RSC-R2UG-2E16-O-P
Riser Card	RSC-R2UG-E16R-X9	1	RSC-R2UG-E16R-X9-O-P
Riser Card	RSC-R2UG-2E16R-X9	1	RSC-R2UG-2E16R-X9-O-P
Heatsink / Retention	SNK-P0037P	1	1U PASSIVE CPU HS FOR INTEL LGA1366 (HTP)
Heatsink / Retention	SNK-P0038P	1	2U+ PASSIVE CPU HS FOR INTEL LGA1366 X8 MB
Power Supply	PWS-1K81P-1R	2	1800W Platinum Redundant Single Output
Fan 1	FAN-0137L4	5	80x80x38 mm 10.5K RPM SC217, SC827 Chassis Middle Fan
Drive Tray(s)	MCP-220-00047-0B	10	Black gen 3rd hot-swap 2.5inch HDD tray

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