Products | Systems | 2U | [**6026T-URF4+**]



Integrated Board

Super X8DTU-LN4F+

Key Features

1. Intel® Xeon® processor 5600/5500 series, with QPI up to 6.4 GT/s
2. 288GB** DDR3 1333/ 1066/ 800MHz ECC Registered DIMM / 48GB Unbuffered DIMM
3. **Left:** (Full-height / Full-length) 1 (x8) PCI-E 2.0, 2 (x4) PCI-E 2.0 and UIO slot
   Right: 2 (x4) PCI-E 2.0 slots
4. 2x Intel® 82576 Dual-port Gigabit Ethernet Controllers (4 ports)
5. 8 x 3.5" Hot-swap Drives Trays
6. 920W High-efficiency Platinum Level Redundant Power Supply
7. Integrated IPMI 2.0 with Dedicated LAN

Available Colors: Black

Drivers & Utilities | BIOS | IPMI | Tested MEM | Tested HDD

Product SKUs	
SYS-6026T-URF4+	• SuperServer 6026T-URF4+ (Black)

Motherboard

Super X8DTU-LN4F+

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	• 18x 240-pin DIMM sockets • Supports up to 288GB 1333 / 1066 / 800MHz DDR3 ECC Registered memory • Supports up to 48GB 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 / 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)
Note:	This board does not support LRDIMM memory. Please refer to HERE for list of motherboards with LRDIMM support.

On-Board Devices

Chipset	• Intel® 5520 (Tylersburg) chipset • 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	• 2x Intel® 82576 Dual-Port Gigabit Ethernet Controllers (4 ports) • 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
Super I/O	• Winbond 83827HF chip

Expansion Slots

Left Slot	• 1 Unversal I/O (UIO) Slot • 1 (x8) PCI-E 2.0 slot • 2 (x4) PCI-E 2.0 slots • UIO AOC Compatibility Matrix
Right Slot	• 2 (x4) PCI-E 2.0 slots

Input / Output

Serial ATA	• Six Serial ATA ports • Six SATA hard drives supported
LAN	• 4x RJ45 LAN ports • 1x RJ45 Dedicated IPMI LAN port
USB	• 2x USB rear ports • 1x USB on-board • 5x USB internal headers • Total 8 USB 2.0 Compliant
VGA	• 1x VGA Port
Keyboard / Mouse	• PS/2 keyboard and mouse ports

Chassis

Form Factor	• 2U Rackmount
Model	• CSE-829TQ-R920UB

Dimensions

Height	3.5" (89mm)
Width	17.2" (437mm)
Depth	27.75" (705mm)
Gross Weight	55 lbs (24.9kg)
Available Colors	Black

Front Panel

Buttons	• Power On/Off button • System Reset button
LEDs	• Power LED • Hard drive activity LED • 2x Network activity LEDs • System Overheat / Fan Fail LED • Power fail LED
Ports	2x USB Ports

Drive Bays

Hot-swap	• 8x 3.5" SAS / SATA Hot-swap drive trays

Peripheral Drives

DVD-ROM	Slim 8x DVD, 24x CD, DVD-ROM Drive

SAS / SATA Backplane

1x 2U SAS / SATA backplane

System Cooling

Fans	• 4x 80mm 6300 RPM fans
Shroud	• 1x Air Shroud

Power Supply with Power Distributor

920W high-efficiency (94%+) AC-DC Redundant power supplies with PMBus and I2C

AC Input	• 100-240 V, 50-60 Hz, 11-4.5 Amp
DC Output	• 4 Amp @ +5V standby • 75 Amp @ +12V
Certification	80 PLUS PLATINUM 94%+ **Platinum Certified** [Test Report]

PC Health Monitoring

CPU	• Monitors for CPU Cores, +1.8V, +3.3V, +5V, ±12V, +3.3V Standby, +5V Standby, VBAT, Memory, Chipset Voltages. • 6-Phase-switching voltage regulator
FAN	• Total of eight fan headers supporting up to 8 fans • Eight 4-pin fan headers • 8x fans with tachometer status monitoring • Support 3-pin fans (w/o speed control) • Low noise fan speed control
Temperature	• Monitoring for CPU and chassis environment • Thermal Control for 8x fan connectors • PECI
Other Features	• Chassis intrusion detection • Chassis intrusion header

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)

Serial Port / Header	• 1 Fast UART 16550 serial port • 1 Fast UART 16550 serial header (Option)

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

See Parts List

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