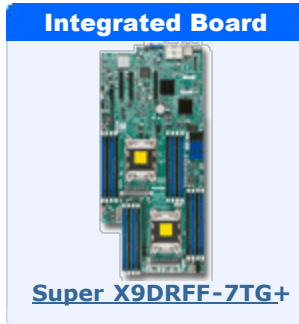


SuperServer 6017R-73THDP+



Key Features

1. Dual socket R (LGA 2011) supports Intel® Xeon® processor E5-2600 and **E5-2600 v2** family†
2. Intel® C602 chipset
3. 12x 3.5" HDD bays - connected to onboard LSI 2308 SAS2 Ports (8) and SATA2/3 Ports (4)
4. Up to 1TB ECC DDR3, up to 1866MHz; 16x DIMM slots
5. 1x PCI-E 2.0 x4 (in x8, half-height) and 1x PCI-E 3.0 x8 (LP)
6. Intel® X540 Dual Port 10G Base-T
7. Integrated IPMI 2.0 and KVM with Dedicated LAN
8. I/O ports: IPMI, 2x 1GbE, 2x USB, VGA
9. 650W 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-6017R-73HDP+	▪ SuperServer 6017R-73THDP+
Motherboard	
Super X9DRFF-7TG+	
Processor/Cache	
CPU	▪ Dual Socket R (LGA 2011) ▪ Intel® Xeon® processor E5-2600 and E5-2600 v2 family† (up to 130W TDP)
Note	† BIOS version 3.0 or above is required
Cache	▪ Up to 30MB
System Bus	▪ QPI up to 8 GT/s
System Memory	
Memory Capacity	▪ 16x 240-pin DDR3 DIMM slots ▪ Up to 1TB DDR3 ECC LRDIMM ▪ Up to 512GB DDR3 ECC Registered memory (RDIMM) ▪ Up to 192GB DDR3 ECC Un-Buffered memory (UDIMM)
Memory Type	▪ 1866/1600/1333/1066/800MHz ECC

Chassis	
Form Factor	▪ 1U Rackmount
Model	▪ CSE-816LT-655B
Dimensions	
Height	▪ 1.7" (43mm)
Width	▪ 17.2" (437mm)
Depth	▪ 35.75" (909mm)
Gross Weight	▪ 38 lbs (16.5kg)
Front Panel	
Buttons	▪ Power On/Off button
LEDs	▪ Network activity LEDs
Expansion Slots	
PCI-Express	▪ 1x PCI-E 2.0 x4 (in x8, Half-height) slot ▪ 1x PCI-E 3.0 x8 (Low-profile) slot ▪ UIO AOC Compatibility Matrix
Drive Bays	
Internal	▪ 12x 3.5" HDD bays (connected to onboard 8x LSI 2308 SAS2 Ports and 4x SATA2/3 Ports) ▪ Optional support for two 2.5" HDD

DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs

DIMM Sizes	<ul style="list-style-type: none"> 32GB, 16GB, 8GB, 4GB, 2GB, 1GB
Memory Voltage	<ul style="list-style-type: none"> 1.5 V, 1.35 V
Error Detection	<ul style="list-style-type: none"> Corrects single-bit errors Detects double-bit errors (using ECC memory)

On-Board Devices

Chipset	<ul style="list-style-type: none"> Intel® C602 Chipset
AHCI SATA	<ul style="list-style-type: none"> SATA 2.0 3Gbps with RAID 0, 1, 5, 10 SATA 3.0 6Gbps with RAID 0, 1, 5, 10
SAS	<ul style="list-style-type: none"> SAS2 (6Gbps) via LSI 2308 SW RAID 0, 1, 10 support
IPMI	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Intel® X540 Dual Port Gigabit Ethernet Virtual Machine Device Queues reduce I/O overhead Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output 1x Realtek RTL8201F PHY (dedicated IPMI)
VGA	<ul style="list-style-type: none"> Matrox G200eW 16MB DDR2 graphics controller

Input / Output

AHCI SATA	<ul style="list-style-type: none"> 2 SATA 3.0 ports (6Gbps) 4 SATA 2.0 ports (3Gbps)
SAS	<ul style="list-style-type: none"> 8 SAS2 ports (6Gbps)
LAN	<ul style="list-style-type: none"> 2 RJ45 Gigabit Ethernet LAN ports 1 RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 2 USB 2.0 ports total
VGA	<ul style="list-style-type: none"> 1 VGA port

Backplane

SAS/SATA HDD Backplane

System Cooling

Fans	<ul style="list-style-type: none"> 4x 40x56mm PWM cooling fans 4x 40x28mm PWM cooling fans
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Power Supply

650W AC-DC High Efficiency Power Supply

AC Input	<ul style="list-style-type: none"> 100 - 240V, 8.5A Max., 50 - 60Hz
+5V standby	<ul style="list-style-type: none"> 3 Amp
+12V	<ul style="list-style-type: none"> 54.1Amp

Certification



Platinum Level
[[Test Report](#)]

System BIOS

BIOS Type	<ul style="list-style-type: none"> 16MB SPI Flash EEPROM with AMI BIOS
BIOS Features	<ul style="list-style-type: none"> DMI 2.3 PCI 2.3 ACPI 1.0 / 2.0 USB Keyboard support SMBIOS 2.3

Operating Environment / Compliance

RoHS	<ul style="list-style-type: none"> RoHS Compliant
Environmental Spec.	<ul style="list-style-type: none"> 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)

Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X9DRFF-7TG+	1	Super X9DRFF-7TG+ Motherboard
	CSE-816LT-655B	1	1U Chassis
Backplane	BPN-SAS-816T-A6	1	1U Hadoop HDD backplane board - model A6 supports 6x 3.5" SATA/SAS HDDs
Backplane	BPN-SAS-816T-A2	1	1U Hadoop HDD backplane board - model A2 supports 2x 3.5" SATA/SAS HDDs
Backplane	BPN-SAS-816T-A4	1	1U Hadoop HDD backplane board - model A4 supports 4x 3.5"
Cable 1	CBL-0296L	3	4 pin to 4 pin fan extension cord, for PWM fan. 23cm. 24AWG
Cable 2	CBL-0481L	6	81cm 30AWG SATA S-S cable
Cable 3	CBL-0483L	4	29CM 30AWG SATA S-S cable
Cable 4	CBL-0484L	2	55cm 30AWG SATA S-S cable
Riser Card	RSC-R1UFF-E8R	1	RSC-R1UFF-E8R
Heatsink / Retention	SNK-P0047PS	2	1U Passive CPU Heat Sink for X9, X10 Systems Equipped w/ a Narrow ILM MB

Optional Parts List

	Part Number	Qty	Description
Drive Tray	MCP-240-00134-0N	-	AOC bracket to fit one 2.5" HDD