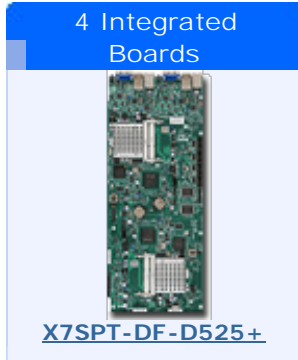


SuperServer 2015TA-HTRF



Available Colors:

Black



Key Features

Eight (8) Nodes in 2U. Two (2) Nodes per Single Hot-swap tray. Optimized for High Density and Low Power consumption UP Atom Server.

1. Intel® Atom™ D525 (Pineview-D) Dual Core, 1.8GHz (13W) processor
2. Intel® ICH9R Express Chipset
3. 4GB non-ECC DDR3 800MHz SO-DIMM per node; SuperServer with 8 nodes can support up to 32GB
4. 3x 2.5" Hot-swap SATA HDD per node; total of 24x HDDs (RAID 0, 1, 5)
5. 2x Intel 82574L Gigabit Ethernet LAN
2x RJ45 LAN ports per node
6. Integrated IPMI 2.0 with shared LAN
7. (1+1) Redundant 720W Gold Level power supply with Pmbus
8. "Cable-Free" Twin Architecture

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

Specifications

Product SKUs

SYS-2015TA-HTRF	▪ SuperServer 2015TA-HTRF (Black)
-----------------	-----------------------------------

Motherboard

4x Super X7SPT-DF-D525+

Processor/Cache

CPU	▪ Intel® Atom™ D525 processor
System Bus	▪ DMI

System Memory (each node)

Memory Capacity	▪ Two 204-pin SO-DIMM sockets ▪ Up to 4GB unbuffered non-ECC DDR3 800MHz SO-DIMM (Single Channel)
Memory Type	▪ DDR3 800MHz unbuf., non-ECC SO-DIMM
DIMM Sizes	▪ 2 GB, 1 GB, 512 MB, 256 MB
Memory Voltage	▪ 1.5V only

Chassis

Form Factor	▪ 2U Rackmount
Model	▪ CSE-217HO-R720B

Dimensions

Height	3.47" (88mm)
Width	17.25" (438mm)
Depth	26.75" (679mm)
Gross Weight	85 lbs (38.6kg)
Available Colors	Black

Front Panel (per hot-swap tray)

Buttons	▪ Power On/Off button
LEDs	▪ Power status LED ▪ Network activity LED ▪ System overheat/fan fail/power fail LED

Drive Bays

Hot-swap	▪ 24x 2.5" Hot-swap SATA drive bays total ▪ Enterprise SATA HDD only recommended
----------	---


On-Board Devices	
Chipset	<ul style="list-style-type: none"> Intel ICH9R Express Intel 82574L
SATA	<ul style="list-style-type: none"> 6x SATA (3 Gbps) RAID 0, 1, 5, 10 support (Windows) RAID 0, 1, 10 support (Linux)
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"> High Performance Intel® 82574L Dual Port Gigabit LAN Virtual Machine Device Queues High efficient I/O overhead Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output 1x Realtek RTL8201N PHY (dedicated IPMI)
VGA	<ul style="list-style-type: none"> Matrox G200eW 16MB DDR2
Super I/O	<ul style="list-style-type: none"> Nuvoton W83627DHG UBE

Input / Output (per Node)	
Serial ATA	<ul style="list-style-type: none"> 3x SATA ports (3Gbps) through hot-plug slot, with RAID 0, 1, 5 1x SATA port onboard
USB	<ul style="list-style-type: none"> 6 USB 2.0 ports (2 rear + 4 via 2 headers)
LAN	<ul style="list-style-type: none"> 2x RJ45 LAN port
IPMI	<ul style="list-style-type: none"> Integrated IPMI 2.0 with shared LAN
DOM	<ul style="list-style-type: none"> 1x DOM (Disk on Module) power connector
Others	<ul style="list-style-type: none"> 2x COM port headers ready TPM 20-pin header ready

System BIOS	
BIOS Type	<ul style="list-style-type: none"> AMI BIOS, 8Mb SPI Flash ROM
BIOS Features	<ul style="list-style-type: none"> Plug and Play (PnP) DMI 2.3 PCI 2.2 ACPI 1.0 / 2.0 / 3.0 USB Keyboard support SMBIOS 2.3

System Cooling	
Fans	<ul style="list-style-type: none"> 4x 80mm heavy duty fans with PWM fan speed controls

Power Supply with Power Distributor	
720W (1+1) Redundant high-efficiency power supply with PMBus	
AC Input	<ul style="list-style-type: none"> 100-240 V, 50-60 Hz, 4-9 Amp
DC Output	<ul style="list-style-type: none"> 3 Amp @ +5V standby 59 Amp @ +12V
With Power Distributor	<ul style="list-style-type: none"> +5V: 30 Amp

Certification	 Gold Certified [Test Report]
---------------	--

PC Health Monitoring	
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
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

Parts List - (Items Included)			
	Part Number	Qty	Description
Motherboard / Chassis	MBD-X7SPT-DF-D525+	4	Super X7SPT-DF-D525+ Motherboard
	CSE-217HO-R720B	1	2U Black Chassis
Backplane	BPN-SAS-217HQ	1	Support 24x2.5ö SAS/SATA hard drives
Backplane	BPN-ADP-6SATA3	4	BPN,BPN-ADP-6SATA3,REV 100,PBF
CD	CDR-X7-UP	1	DRIVER CD FOR X7 UP MOTHERBOARDS
Drive Tray(s)	MCP-220-00047-0B	24	Black gen 3 hot swap 2.5" HDD tray
Rails	MCP-290-00053-0N	1 set	Rail set, quick/quick, default for 2U, 3U 17.2"W