

# SuperServer 5017R-iHDP



## Key Features

1. Intel® Xeon® processors E3-1200
2. Intel® C204 Chipset
3. 12x Fixed 3.5" HDD bays (connected to AOC w/ 8x LSI 2308 SAS2 Ports and 4x SATA2/3 Ports)
4. Up to 32GB DDR3 ECC UDIMM; 1333/1066MHz in 4x DIMMs
5. 1x PCI-E 3.0 x8 (low-profile) slot
6. Intel® i350 Dual Port Gigabit Ethernet
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

SSG-5017R-iHDP	▪ SuperServer 5017R-iHDP
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### Motherboard

Super X9SCFF-F

### Processor/Cache

CPU	<ul style="list-style-type: none"> <li>▪ Intel® Xeon® processor E3-1200 &amp; v2 series, Intel® 2nd Gen and 3rd Gen Core i3, Intel® Pentium® and Celeron processors *</li> <li>▪ Socket H2 (LGA 1155)</li> </ul>
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### System Memory

Memory Capacity	<ul style="list-style-type: none"> <li>▪ 4x 240-pin DDR3 DIMM slots</li> <li>▪ Supports up to 32GB DDR3 ECC Un-Buffered memory (UDIMM)</li> </ul>
Memory Type	▪ 1333/1066MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs
DIMM Sizes	▪ 8GB, 4GB, 2GB, 1GB
Memory Voltage	▪ 1.5 V, 1.35 V
Error Detection	<ul style="list-style-type: none"> <li>▪ Corrects single-bit errors</li> <li>▪ Detects double-bit errors (using ECC memory)</li> </ul>

### Chassis

Form Factor	▪ 1U Rackmount
Model	▪ CSE-816LT-655B

### Dimensions

Height	▪ 1.7" (43mm)
Width	▪ 17.2" (437mm)
Depth	▪ 35.75" (908mm)
Gross Weight	▪ 38 lbs (16.5kg)

### Front Panel

Buttons	<ul style="list-style-type: none"> <li>▪ Power On/Off button</li> <li>▪ System Reset button</li> </ul>
LEDs	▪ Power LED


### Expansion Slots

PCI-Express	<ul style="list-style-type: none"> <li>▪ 1x PCI-E 3.0 x8 Low-profile slot (Optional 10GbE Networking)</li> <li>▪ <a href="#">UIO AOC Compatibility Matrix</a></li> </ul>
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### Drive Bays

Fixed	<ul style="list-style-type: none"> <li>▪ 12x Fixed 3.5" HDD bays (connected to AOC w/ 8x LSI 2308 SAS2 Ports and 4x SATA2/3 Ports)</li> <li>▪ 2x Fixed 2.5" HDD/SSD for OS (connected to 2x SATA2 Ports)</li> </ul>
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<b>On-Board Devices</b>	
Chipset	<ul style="list-style-type: none"> <li>Intel® C204 Chipset</li> </ul>
SATA	<ul style="list-style-type: none"> <li>2 SATA3 (6Gbps) &amp; 4 SATA2 (3Gbps)</li> <li>RAID 0, 1, 5, 10 support (Windows)</li> <li>RAID 0, 1, 10 support (Linux)</li> </ul>
IPMI	<ul style="list-style-type: none"> <li>Support for Intelligent Platform Management Interface v.2.0</li> <li>IPMI 2.0 with virtual media over LAN and KVM-over-LAN support</li> <li>Winbond WPCM540 BMC</li> </ul>
Network Controllers	<ul style="list-style-type: none"> <li>Intel® i350 Dual port GbE LAN</li> <li>Virtual Machine Device Queues reduce I/O overhead</li> <li>Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output</li> <li>1x Realtek RTL8201N PHY (dedicated IPMI)</li> </ul>
VGA	<ul style="list-style-type: none"> <li>Matrox G200eW 16MB DDR2 graphics controller</li> </ul>
<b>Input / Output</b>	
SATA	<ul style="list-style-type: none"> <li>2 SATA 3.0 ports (6Gbps)</li> <li>4 SATA 2.0 ports (3Gbps)</li> </ul>
SAS	<ul style="list-style-type: none"> <li>8 SAS2 ports (6Gbps) supported via LSI 2308 AOC</li> </ul>
LAN	<ul style="list-style-type: none"> <li>2 RJ45 LAN ports</li> <li>1 RJ45 Dedicated IPMI LAN port</li> </ul>
USB	<ul style="list-style-type: none"> <li>2 USB 2.0 ports total</li> </ul>
VGA	<ul style="list-style-type: none"> <li>1 VGA port</li> </ul>

<b>Backplane</b>	
SAS/SATA HDD Backplane	
<b>System Cooling</b>	
Fans	<ul style="list-style-type: none"> <li>8x Heavy duty fans w/ optimal fan speed control</li> </ul>
<b>Power Supply</b>	
650W AC-DC High Efficiency Power Supply	
AC Input	<ul style="list-style-type: none"> <li>100 - 240V, 8.5A Max., 50 - 60Hz</li> </ul>
+5V standby	<ul style="list-style-type: none"> <li>3 Amp</li> </ul>
+12V	<ul style="list-style-type: none"> <li>54.1Amp</li> </ul>
Certification	 Platinum Level <a href="#">[ Test Report ]</a>
<b>System BIOS</b>	
BIOS Type	<ul style="list-style-type: none"> <li>8MB SPI Flash EEPROM with AMI BIOS</li> </ul>
BIOS Features	<ul style="list-style-type: none"> <li>DMI 2.3</li> <li>PCI 2.3</li> <li>ACPI 1.0 / 2.0</li> <li>USB Keyboard support</li> <li>SMBIOS 2.3</li> </ul>
<b>Operating Environment / Compliance</b>	
RoHS	<ul style="list-style-type: none"> <li>RoHS Compliant</li> </ul>
Environmental Spec.	<ul style="list-style-type: none"> <li>Operating Temperature: 10°C to 35°C (50°F to 95°F)</li> <li>Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)</li> <li>Operating Relative Humidity: 8% to 90% (non-condensing)</li> <li>Non-operating Relative Humidity: 5% to 95% (non-condensing)</li> </ul>

## Parts List

### Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X9SCFF-F	1	Super X9SCFF-F Motherboard
	CSE-816LT-655B	1	1U Chassis
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"
Backplane	BPN-SAS-816T-A6	1	1U Hadoop HDD backplane board - model A6 supports 6x 3.5" SATA/SAS HDDs
Cable 1	CBL-0226L	2	43CM SATA ROUND S-RA PBF 26AWG
Cable 2	CBL-CDAT-0528	1	48 inch 2 pin female to 2 pin female for Chassis Intrusion switch, 26AWG,RoHS/REACH,PBF
Cable 3	CBL-0296L	8	4 pin to 4 pin fan extension cord, for PWM fan. 23cm. 24AWG
Cable 4	CBL-0388L	1	IPASS TO 4 SATA 70/70/90/90CM W/ 70cm SB. RA. 26AWG
Cable 5	CBL-0481L	4	81CM 30AWG SATA S-S cable
Cable 6	CBL-0118L-03	1	lpass to 4 SATA cable 23CM, W / 25.5cm SB, S, 30AWG
Riser Card	RSC-R1UFF-E8R	2	RSC-R1UFF-E8R
Heatsink / Retention	SNK-P0047PS	1	1U Passive CPU Heat Sink for X9, X10 Systems Equipped w/ a Narrow ILM MB
Add-on Card	AOC-S2308L-L8E-O-P	1	AOC with 8x LSI 2308 SAS2 Ports and 4x SATA2/3 Ports