

# SuperServer 5038D-I

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Available Colors: Black

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

## Key Features

### Tower Server, 24/7 Operation, Unparalleled Reliability


1. Single socket H3 (LGA 1150) supports Intel® Xeon® E3-1200 v3, 4th gen. Core i3, Pentium V, Celeron processors
2. Intel® C222 Express PCH
3. Up to 32GB DDR3 ECC 1600MHz UDIMMs in 4 sockets
4. 1 (x8) PCI-E 3.0 in x16, 1 (x8) PCI-E 3.0, and 1 (x4) PCI-E 2.0 in x8 slots
5. I/O Ports: 1 VGA, 2 COM, 2 GbE LAN, dedicated IPMI, 2 USB 2.0 (front)
6. 4x 3.5" tool-less HDD trays + 2x 5.25" drive bays
7. 300W High-efficiency Power Supply

## Specifications

Product SKUs	
SuperServer	▪ SYS-5038D-I (Black)
Motherboard	
Super X10SLL-F	
Processor/Cache	
CPU	▪ Intel® Xeon® processor E3-1200 v3 and 4th Gen Core i3, Pentium, Celeron processors ▪ Single Socket H3 (LGA 1150)
System Memory	
Memory Capacity	▪ 4x 240-pin DDR3 DIMM slots ▪ Supports up to 32 GB DDR3 ECC Un-Buffered memory (UDIMM)
Memory Type	▪ 1600MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs
DIMM Sizes	▪ 8GB, 4GB, 2GB, 1GB
Memory Voltage	▪ 1.5V, 1.35V
Error Detection	▪ Corrects single-bit errors ▪ Detects double-bit errors (using ECC memory)
On-Board Devices	
Chipset	▪ Intel® C222 Express PCH
SATA	▪ SATA3 (6Gbps) w/ RAID 0, 1 ▪ SATA2 (3Gbps) w/ RAID 0, 1, 5, 10
IPMI	▪ Support for Intelligent Platform Management Interface v.2.0 ▪ IPMI 2.0 with virtual media over LAN and KVM-over-LAN support ▪ ASPEED AST2400 with 10/100/1000Mbps
Network Controllers	▪ Intel® i217LM + Intel® i210AT Controllers ▪ Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output ▪ 1x Realtek RTL8201N PHY (dedicated IPMI)
VGA	▪ BMC integrated ASPEED AST2400

Chassis	
Form Factor	▪ Mid-Tower
Model	▪ <b>CSE-731i-300B</b>
Dimensions and Weight	
Height	▪ 14.25" (362mm)
Width	▪ 7.25" (184mm)
Depth	▪ 16.75" (425mm)
Gross Weight	▪ 40 lbs (18.1 kg)
Available Colors	▪ Black
Front Panel	
Buttons	▪ Power On/Off button
LEDs	▪ Power LED ▪ Hard drive activity LED ▪ Network activity LED ▪ System Overheat LED
Ports	▪ 2x Front side USB ports
Drive Bays	
Internal	▪ 4x 3.5" tool-less HDD trays ▪ Enterprise SATA HDD only recommended
External	▪ 2x 5.25" external drive bays
System Cooling	
Fans	▪ 1x 9cm (rear) PWM fan w/ tool-less design ▪ 1x 8cm (front) cooling fan (optional) ▪ Optimized Cooling Technology at 25dB Whisper-Quiet Operation
Power Supply	
300W AC power supply w/ PFC	
AC Voltage	▪ 100 - 240V, 50-60Hz, 5 Amp
DC Output	▪ 5V + 12V + 3.3V - 12V < 290W
+5V	▪ 13 Amp
+5V standby	▪ 2.0 Amp

Input / Output	
<b>SATA</b>	<ul style="list-style-type: none"> <li>2x SATA3 (6Gbps) ports</li> <li>4x SATA2 (3Gbps) ports</li> </ul>
<b>LAN</b>	<ul style="list-style-type: none"> <li>2x RJ45 Gigabit Ethernet LAN ports</li> <li>1x RJ45 Dedicated IPMI LAN port</li> </ul>
<b>USB</b>	<ul style="list-style-type: none"> <li>2x USB 3.0 ports (1 Type-A, 1 via header)</li> <li>6x USB 2.0 ports (4 rear, 2 via header)</li> </ul>
<b>VGA</b>	<ul style="list-style-type: none"> <li>1x VGA D-Sub Connector</li> </ul>
<b>Serial Port / Header</b>	<ul style="list-style-type: none"> <li>2x COM ports (1 rear, 1 header)</li> </ul>
Expansion Slots	
<b>PCI-Express</b>	<ul style="list-style-type: none"> <li>1 (x8) PCI-E 3.0 in x16 slot</li> <li>1 (x8) PCI-E 3.0 slot</li> <li>1 (x4) PCI-E 2.0 in x8 slot</li> </ul>
System BIOS	
<b>BIOS Type</b>	<ul style="list-style-type: none"> <li>128Mb SPI Flash EEPROM with AMI® BIOS</li> </ul>
<b>BIOS Features</b>	<ul style="list-style-type: none"> <li>Plug and Play (PnP)</li> <li>APM 1.2</li> <li>DMI 2.3</li> <li>ACPI 1.0 / 2.0</li> <li>USB Keyboard support</li> <li>SMBIOS 2.3</li> <li>UEFI</li> </ul>

<b>+12Va + +12Vb</b>	<ul style="list-style-type: none"> <li>12 Amp + 16 Amp (total: 216W)</li> </ul>
<b>-12V</b>	<ul style="list-style-type: none"> <li>0.3 Amp</li> </ul>
<b>+3.3V</b>	<ul style="list-style-type: none"> <li>12.0 Amp</li> </ul>
<b>Certification</b>	 <b>Bronze Certified</b> <a href="#">[ Test Report ]</a>
PC Health Monitoring	
<b>CPU</b>	<ul style="list-style-type: none"> <li>Monitors for CPU Cores, +12V, +3.3V, +5V, +5V Standby, VBAT, Memory, Chipset Voltages.</li> <li>6-Phase-switching voltage regulator</li> </ul>
<b>FAN</b>	<ul style="list-style-type: none"> <li>Low noise fan speed control</li> </ul>
<b>Temperature</b>	<ul style="list-style-type: none"> <li>Monitoring for CPU and chassis environment</li> <li>Thermal Control for 8x fan connectors</li> <li>PECI</li> </ul>
Operating Environment / Compliance	
<b>RoHS</b>	<ul style="list-style-type: none"> <li>RoHS Compliant</li> </ul>
<b>Environmental Spec.</b>	<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

[See Parts List](#)

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