

## J422-S

### High Performance 6th Gen Intel® Xeon® 2U Dual Socket MHS Rackmount Server

Elevate your most demanding workloads with a modern platform designed specifically to power your artificial intelligence (AI), Machine learning (ML), high performance computing (HPC), and Fintech workloads. With high performance expandability and flexibility in mind, this MHS platform will transform your operations above the competition.

#### REMARKABLE PERFORMANCE

Featuring the highest core counts in the Intel® portfolio (up to 288 E-cores per CPU) and latest technologies like PCIe Gen5, DDR5, CXL, NVMe, and confidential computing, our platform helps you unlock unparalleled energy efficiency and customized innovations.

- 6th Generation Intel® Xeon® Scalable processor microarchitecture optimized to meet diverse performance and efficiency requirements where workload optimized accelerators, cloud scale out, and mature support for the server ecosystem (like OpenBMC) is critical.
- Supports the latest high performance SmartNICs and FPGA accelerators at PCIe Gen5 speed without switches in the I/O path for the lowest latency possible.
- SAS/SATA/NVMe SSD options offering reduced latency and increased IOPs to unlock the full performance capabilities of today's processors.
- Modular Hardware System (MHS) compliance standardizes interfaces and Host Processor Module (HPM) form factors to deliver consistent interoperability among modular building blocks and platforms.
- Datacenter-ready Secure Control Module (DC-SCM v2.0) moves common server management features from the HPM to a modular designed form factor for easy interoperability, configurability, and flexibility.



#### VERSATILE EXPANDABILITY

This server combines different configurations of NVMe, SAS, or SATA drive slots and a wide array of network and storage controller connectivity to fit whatever your application needs. It offers:

- Up to 24x small form factor (SFF) front drives
- Up to 6x FHFL PCIe Gen5 or 3x double-wide FHFL GPU add-in card slots and 2x OCP 3.0 PCIe Gen5 slots

#### FEATURES

- Scalable for high-performance or cost savings
- Power redundancy for failure-free operation
- Ample memory capacity and speed
- Greater performance and compute density with next generation Intel® processors
- Security options safeguarding platform integrity
- Toolless chassis
- Redfish API support
- MHS compliant
- DC-SCM v2.0 BMC module
- Collaborative solutions and customized innovation with deep engineering engagement

Contact your [Jabil Sales Representative](#) for more information.

## SPECIFICATIONS

### CHASSIS

Form Factor	2U Rackmount
Model	J422-S (SFF)

### DIMENSIONS

W x H x L	<ul style="list-style-type: none"> <li>• 448mm x 87mm x 815mm</li> <li>• 17.64" x 3.43" x 32.09"</li> </ul>
Weight	<ul style="list-style-type: none"> <li>• L6: Approx. 17.3kg (38.1lbs)</li> <li>• L10: Approx. 30.4kg (67.1lbs)</li> </ul>

### PROCESSOR

CPU	<ul style="list-style-type: none"> <li>• 2x 6th Generation Intel® Xeon® Scalable processors</li> <li>• Supports CPU TDP up to 350W</li> </ul>
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### SYSTEM MEMORY

Memory Capacity	Up to 32x DDR5 slots: 8 channels/16 slots per CPU
Memory Type	DDR5-6400 ECC RDIMM, up to 8TB max memory

### ON-BOARD DEVICES

BMC	<ul style="list-style-type: none"> <li>• ASPEED AST2600</li> <li>• IPMI 2.0 with virtual media over LAN, and KVM-over-LAN support</li> <li>• DC-SCM 2.0</li> <li>• Redfish supported</li> </ul>
Network Controllers	<ul style="list-style-type: none"> <li>• 1x Intel® i210 1GbE RJ45 (via IOM)</li> <li>• 1x Dedicated BMC 1GbE RJ45 (via DC-SCM)</li> </ul>
RAID	<ul style="list-style-type: none"> <li>• Intel® Virtual RAID on CPU (VROC) 8.0 NVMe RAID support</li> <li>• PCIe add-in card SAS/SATA/NVMe support</li> </ul>
Security	<ul style="list-style-type: none"> <li>• Trusted Platform Module (TPM) 2.0</li> <li>• Intel® PFR 3.0</li> <li>• Hardware Root of Trust (NIST SP 800-193 compliant)</li> <li>• Intrusion Detection kit</li> <li>• Intel® TDX/SGX support</li> </ul>

### ADDITIONAL I/O

Rear USB	<ul style="list-style-type: none"> <li>• 2x USB 3.2 Gen 1 Type A (1x via DC-SCM)</li> <li>• 1x USB 3.2 Gen 1 Type A (Optional IO module)</li> <li>• 1x USB Type C UART (DC-SCM)</li> </ul>
Rear Additional	<ul style="list-style-type: none"> <li>• UID Button/LED (DC-SCM)</li> <li>• 1x Mini DisplayPort (DC-SCM)</li> </ul>

#### Warranties and Limitation of Liability

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### FRONT I/O

Buttons	<ul style="list-style-type: none"> <li>• Power Off/On</li> <li>• UID</li> </ul>
LEDs	<ul style="list-style-type: none"> <li>• UID</li> <li>• Power Status</li> <li>• System Health</li> <li>• Network Activity</li> </ul>
USB	2x USB 3.2 Gen 1 Type A

### EXPANSION SLOTS

PCIe Mechanical	<ul style="list-style-type: none"> <li>• 6x FHFL PCIe card expansion slots Or</li> <li>• 3x double-wide FHFL GPU PCIe card expansion slots</li> <li>• 2x OCP 3.0 slots</li> </ul>
PCIe Electrical	<ul style="list-style-type: none"> <li>• 3x riser PCIe connectors with x8 or x16 Gen5 for rear I/O</li> <li>• 1x OCP NIC 3.0 PCIe w/x16 Gen5</li> <li>• 1x OCP NIC 3.0 PCIe w/x8 Gen5 or IOM (i210 LAN)</li> <li>• 8x SFF-TA-1016 MCIO x8 NVMe connectors each for front storage</li> </ul>

### DRIVE OPTIONS

Toolless Hot swap Drives	Up to 24x 2.5" SFF 24G SAS/6G SATA/PCIe Gen5 NVMe hybrid
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### SYSTEM COOLING

Fans	N+1 fan redundancy, 6x hot swappable, 6056 dual rotor
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### POWER SUPPLY

1600W/2000W CRPS 1+1 redundant, Titanium level, hot swappable, toolless PSUs

Input	<ul style="list-style-type: none"> <li>• 1600W: 220-240Vac/10A/50-60Hz</li> <li>• 2000W: 220-240Vac/10A-13A/50-60Hz</li> </ul>
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### OPERATING ENVIRONMENT/COMPLIANCE

<ul style="list-style-type: none"> <li>• Operating Temp</li> <li>• Storage Temp</li> <li>• Operating Relative Humidity</li> <li>• Storage Relative Humidity</li> </ul>	<ul style="list-style-type: none"> <li>• 10°C - 35°C (50°F to 95°F)</li> <li>• -40°C to 60°C (-40°F to 140°F)</li> <li>• 8% ~ 80%</li> <li>• 5%~ 95%</li> </ul>
Compliance/Regulatory	RoHS, FCC, UL, CE