



## JC200

### 2U High-Performance NVMe/SAS/SATA Server Platform

Tackle your most demanding storage requirements with a versatile NVMe, SAS, and SATA server platform. This 2U dual-socket server brings you flexibility, scalability, and high performance to adapt to a variety of applications. Choose up to 24 NVMe, SAS or SATA drives for hybrid storage.

#### Remarkable Performance

Featuring flexible storage capacity, processing power, and PCIe Gen4 and DDR4 memory, this server maximizes datacenter performance and efficiency and is ideal for high-performance solution-based computing and artificial intelligence applications.

- NVMe SSDs offer high-speed, reduced latency and increased IOPs to unlock the full performance capabilities of today's processors.
- SAS and SATA options for high configurability.
- 3rd Generation Intel® Xeon® Scalable processor microarchitecture offers superb power efficiency, impressive graphics performance, data integrity protection, and proven reliability for evolving customer expectations. This means better response time for more applications running simultaneously with increased total performance.
- SAS 4.0 (24Gbps) and/or NVMe PCIe Gen4 (16GT/s) interfaces increases data throughput over the previous generation.



#### Versatile Expandability

The JC200 combines different configurations of NVMe, SAS, or SATA drive slots to expand with your needs, and offers:

- 24x small form factor (SFF) front drives, or
- 12x large form factor (LFF) front drives
- 2x additional NVMe/SAS/SATA boot drives occupy rear slots.
- In addition, 2x internal M.2 NVMe/SATA slots are available.
- 6x PCIe Gen4 add-in card slots and an OCP 3.0 SFF mezzanine card slot allows for a wide array of network and storage controller connectivity into the server to fit whatever your application needs.
- Scalability up to 32x DDR4-3200 RDIMMs/LRDIMMs enables you to increase server memory and speed for growing application demands. And it includes Intel® Optane™ DC Persistent Memory (DCPMM) 200 Series support (up to 16x DCPMMs) for mission critical applications.



#### Features

- Flexibility for price optimization
- Scalable for high-performance or cost savings
- Deploy systems at scale
- Enterprise class support
- Hot pluggable NVMe/SAS/SATA drives
- Power redundancy for failure free operation
- Increased memory capacity and speed
- Improved performance with SAS 4.0 and Gen4 PCIe/NVMe
- Intel® Optane™ DC PMem (DCPMM) 200 Series support
- Redfish API support





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## Specifications

Chassis	
Form Factor	2U EIA 310-D Rackmount
Model	JC200 (SFF & LFF)
Dimensions	
W x H x L	<ul style="list-style-type: none"> <li>· 436mm x 86.8mm x 779.6mm</li> <li>· 17.2" x 3.43" x 30.7"</li> </ul>
Weight	Up to 51 lb/ 23 kg fully populated config
Processor/Cache	
CPU	<ul style="list-style-type: none"> <li>· 2x 3rd Generation Intel® Xeon® Scalable processors</li> <li>· Dual Socket P+ (4189)</li> <li>· Support CPU TDP up to 270W</li> <li>· Up to 3 UPI</li> </ul>
Cores/Cache	Up to 38 cores/104.5MB cache
System Memory	
Memory Capacity	<ul style="list-style-type: none"> <li>· Up to 32x DDR4-3200 RDIMM/LRDIMM</li> <li>· Up to 16x DCPMMs (200 Series)</li> </ul>
Memory Type	Up to DDR4-3200 ECC, up to 8TB max memory and 8TB DCPMM
DIMM Size	<ul style="list-style-type: none"> <li>· RDIMM: Up to 128GB</li> <li>· LRDIMM: Up to 256GB</li> <li>· DCPMM 200 Series: Up to 512GB</li> </ul>
On-Board Devices	
Chipset	Intel® C621A Chipset
BMC	<ul style="list-style-type: none"> <li>· IPMI 2.0 with virtual media over LAN, and KVM-over-LAN support</li> <li>· Redfish supported</li> </ul>
Network Controllers	<ul style="list-style-type: none"> <li>· Broadcom 10GBase-T, dual port (optional)</li> <li>· 10/100/1GbE dedicated BMC mgt RJ45</li> </ul>
NVMe RAID	VROC support
Security	<ul style="list-style-type: none"> <li>· Trusted Platform Module (TPM) 2.0</li> <li>· Intrusion Detection kit (optional)</li> </ul>
Additional Input/Output	
USB	<ul style="list-style-type: none"> <li>· 2x USB 3.0/2.0 (rear)</li> <li>· 1x Micro USB serial console port (rear)</li> <li>· 2x USB 3.0/2.0 (front)</li> </ul>
Video	1x VGA port (rear)

Front Panel	
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 (Front and Rear)</li> <li>· Power Status</li> <li>· System Health</li> <li>· Network Activity</li> <li>· Power Fault</li> <li>· Drive Activity (on drive carrier)</li> <li>· Drive Status (on drive carrier)</li> </ul>
Expansion Slots	
PCIe	<ul style="list-style-type: none"> <li>· 2x PCIe Gen4 x16 (FHFL)</li> <li>· 2x PCIe Gen4 x8 (FHFL)</li> <li>· 2x PCIe Gen4 x8 (FHHL), and</li> <li>· 1x OCP3.0 PCIe Gen4 x16</li> </ul> Or <ul style="list-style-type: none"> <li>· 2x PCIe Gen4 x16 (double-width GPU slots)</li> <li>· 2x PCIe Gen4 x16 (FHHL), and</li> <li>· 1x OCP 3.0 SFF PCIe Gen4 x16</li> </ul>
Drive Options	
Tool-less Hot swap drives	<ul style="list-style-type: none"> <li>· Up to 24x 2.5" 24G SAS/6G SATA/PCIe Gen4 NVMe and U.2 drive connector, or</li> <li>· Up to 12x 3.5" drive slots:               <ul style="list-style-type: none"> <li>· 4 slots 24G SAS/6G SATA/PCIe Gen4 NVMe</li> <li>· 8 slots 24G SAS/6G SATA</li> </ul> </li> <li>· 2x 2.5" 24G SAS/6G SATA/PCIe Gen4 NVMe (rear)</li> </ul>
Non-Hot Swap	2x M.2 22110/2280 NVMe/SATA
System Cooling	
Fans	N+1 fan redundancy, 6x tool-less, hot swappable fans
Power Supply	
1600W 1+1 Redundant Platinum certified hot swappable, tool-less PSUs	
Input	200-240Vac/10A/47-63Hz
Operating Environment/Compliance	
Operating Temperature	0°C to 55°C
Non-Operating Temperature	0°C to 55°C
Operating Relative Humidity	Up to 85%
Non-Operating Relative Humidity	Up to 95%
Operating Altitude	0 to 5,000 ft.
Non-Operating Altitude	0 to 15,200 ft.
Compliance/Regulatory	RoHS, FCC, UL, CE

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