Altus® XE5318GTS

Dense GPU Support and Maximum P2P Performance with NVIDIA® NVLink® and NVSwitch™ technology

Key Features

- Dual AMD EPYC™ 9004 processors
- Up to 24 DDR5-4800MHz memory modules to deliver speed and efficiency for data-intensive workloads
- Storage density for up to 8x 2.5” hot-swap drive bays with SATA and NVMe support
- Supports up to 8 x Nvidia SXM5 GPUs with Dedicated GPUDirect RDMA NICs

Graphics Processing Units (GPUs) have quickly established themselves as the computing tools of the future. As the growth rate of Central Processing Unit (CPU) speeds slows down, GPUs can offload compute-intensive functions from CPUs and accelerate your time-to-results. The Penguin Computing™ Altus® XE5318GTS server is built on the latest technology offering the maximum amount of interconnected GPUs to process intense amounts of data with the least amount of latency.
**Technical Specifications**

### Form Factor
- Form factor: 5U Rackmount

### Processors
- Processor Number: 2
- Processor Type: AMD EPYC™ 9004 series
- Maximum TDP: 400W

### Motherboard
- Chipset: SoC

### Board Management
- BMC Chipset: ASpeed AST2600
- Dedicated BMC Interface: RJ45
- IPMI 2.0: Yes
- Virtual Media Over LAN: Yes
- KVM Over LAN: Yes
- RedFish: Yes

### Memory
- Memory Type: DDR5-4800MHz
- Memory Capacity: Up to 6TB DDR5-4800MHz (24 DIMMs)

### Storage System
- Hard Drive Bays: SATA/U.2 NVMe (2.5") 8 Hot-Swappable Bays

### Networking
- Ethernet Controller: Intel® X710-AT2
- On-Board LAN: 2x 10GbE/RJ45

### PCI Expansion Slots
- Number of Slots/Gen/Speed (Size): 8x PCIe Gen5 x16 LP Slots, 4x PCIe Gen5 x16 FHHL Slots

### GPU
- GPU Capable: Yes, Up to 8x NVIDIA SXM5
- GPU Supported: NVIDIA HGX™ H100

### External I/O Interfaces
- USB Ports: 2x USB 3.2 Gen1
- VGA Ports: 1x VGA

### Supported Operating System
- Supported OS: RHEL, Rocky

### Power System
- Power Supply Size: 6x 3000W 80Plus Titanium

### Regulatory Compliance
- Regulations: CE, FCC

### Mounting Hardware
- Rackmount Rails: Standard Rails included
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<thead>
<tr>
<th><strong>Operating Environment</strong></th>
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<tbody>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>10C to 35C (50F to 95F)</td>
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<tr>
<td><strong>Non-operating Temperature</strong></td>
<td>0C to 60C (32F to 140F)</td>
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<tr>
<td><strong>Operating Relative Humidity</strong></td>
<td>8% to 80% (non-condensing)</td>
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<tr>
<td><strong>Non-operating Relative Humidity</strong></td>
<td>20% to 95% (non-condensing)</td>
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<thead>
<tr>
<th><strong>System Dimensions &amp; Weight</strong></th>
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<tbody>
<tr>
<td><strong>Height</strong></td>
<td>8.75 inches</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>17.60 inches</td>
</tr>
<tr>
<td><strong>Depth</strong></td>
<td>37.20 inches</td>
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<tr>
<th><strong>Warranty</strong></th>
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<tr>
<td><strong>Warranty</strong></td>
<td>3 Year Standard; Up to 4 years on-site available</td>
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ABOUT PENGUIN SOLUTIONS

An SGH® Brand

Penguin Solutions accelerates digital transformation with the power of emerging technologies in HPC, AI, and IoT with solutions and services that span the continuum of edge, core, and cloud.

Penguin Computing specializes in innovative and emerging technologies for the world’s most demanding workloads.

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