

Vantageo 15Q0-WS

Workstation

Flexible, Scalable, and Secure



The Vantageo 15Q0-W is a high-performance workstation designed for Intel Xeon W-3400 processor, offering scalability, reliability, and advanced connectivity. Ideal for AI, data science, machine learning, and HPC, it delivers stable performance for demanding workloads. With high-speed networking and versatile I/O options, it ensures seamless integration. Its robust design supports future expansion, making it a reliable choice for professionals.

Key Features

1. High-Performance Computing

- Supports Intel® Xeon® W-3400 with up to 60 cores/128 threads
- Intel® W790 chipset for workstation-class performance
- 16 DIMM slots, supporting up to 2TB DDR5 ECC RDIMM/LRDIMM (4800MT/s)

2. Expandability & GPU Support

- 6 PCIe 5.0 x16 FHFL slots for GPUs or other high-performance expansion cards

3. Advanced Storage Options

- 4 x 3.5" SATA3 drive bays for bulk storage
- 4 x M.2 PCIe 5.0 x4 NVMe slots for high-speed SSD storage
- 2 x 5.25" peripheral bays for additional storage

4. Networking & Connectivity

- 1 x 10GbE and 1 x 1GbE for high-speed networking
- Multiple USB ports, including USB 2.0 and Type-A for external devices

5. Efficient Cooling & Reliable Power Supply

- Three high-performance fans (1 x 120mm + 2 x 120mm) for optimized airflow
- 2000W Platinum-Level redundant power supply for uninterrupted performance

Technical details Vantageo 15Q0-WS Details

| | |
|----------------------------------|--|
| CPU | Single processor(s) Intel® Xeon® W-3400 processor |
| Chipset | Intel® W790 |
| Form Factor | 5U |
| Core Count | 60C/128T |
| Max GPU Count | Up to 2 quad-width or 2 triple-width or 4 double-width or 4 single-width GPUs |
| Supported GPU | NVIDIA PCIe: T1000, RTX A6000, RTX A5000, RTX A4500, RTX A4000, RTX A2000, RTX 6000 Ada Generation, RTX 4090, RTX 4080 |
| Memory | Slot Count: 16 DIMM slots Max Memory (2DPC): 2TB 4800MT/s ECC DDR5 RDIMM/LRDIMM |
| Network Connectivity | 1 RJ45 10GbE 1 RJ45 1GbE |
| USB | 2 USB 2.0 ports(rear) 2 USB 2.0 Type-A ports(front) 2 Type-A ports(Front) |
| Video | 1 VGA port |
| Power configurations | ACPI 6.0 Power Management |
| Security | Trusted Platform Module (TPM) 2.0 Silicon Root of Trust (RoT) |
| Dimensions | Height 21.06" (535 mm) Width 8.74" (222 mm) Depth 22.56" (573 mm) |
| Port | Audio Jacks USB 2.0 USB 3.0 Gen 1-Type-A USB 3.0 Gen 1-Type-c |
| Buttons | LED light bar ON/OFF Power On/Off button |
| LED | Power status LED |
| PCI-Express (PCIe) Configuration | Default 6 PCIe 5.0 x16 FHFL slots |
| Drive Bays Configuration | Default: Total 4 bays 4 internal fixed 3.5" SATA drive bays 4xM.2 PCIe 5.0 x4 NVMe slots (M-key 2280/22110) 2x5.25" Peripheral Bays |

| | |
|---------------------|---|
| Fans | 1x 120mm Fan(s) 2x 120mm Fan(s) |
| Power Supply | 1x 2000W Platinum Level (92%) power supply |
| Environmental Spec. | Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) Non-operating Temperature: -40°C to 60°C (-40°F to 140°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing) |

Recommended support

24x7 - 4 hours Response, Next Business Day Call to Resolution CTR

24x7 - 4 hours Response, 24 Hours Call to Resolution CTR

24x7 - 4 Hours Response, 6 Hours Call to Resolution CTR

Default support Next Business Day Consulting and deployment offerings are also available. Contact Vantageo representative for the more information.

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