

Vantage 1230

Flexible, Scalable, and Secure



1U Dual Socket Intel Icelake-SP server platform with twelve 2.5" drive bays. Featuring support for 32 DIMM slots, processors up to 270W, and three PCIe slots.

The Vantage 1230 is a high-density, rackmount 1U server platform built for enterprise and data-center workloads. It supports dual 3rd-generation Intel® Xeon® Scalable (Ice Lake) processors, providing strong multi-core performance in a compact footprint. The system is engineered for demanding environments such as virtualized compute, cloud services, storage, edge and telecom applications.

Overview

- Dual 3rd Gen Intel® Xeon® Scalable processors
- 32 DIMMs; 8 channel 2933/3200MHz, RDIMM/LRDIMM/BSP, w/ ECC up to 6TB, Supports Intel® Optane™ DCPMM
- 3 PCIe Add-on Cards
- Flexible LAN options: standard PCIe type and OCP 3.0 NIC are supported
- 12 NVMe/SAS/SATA Hybrid Hot-swap drive bays
- CRPS Redundant PSU 800W
- Dual BIOS & BMC

Application

- Cloud Computing Service
- Content Delivery Network
- Network Function Virtualization
- 5G Core and Edge Telecom Micro Data Center
- AI Inference and Machine Learning

Technical details

Form Factor	1U
Dimensions	17.2"W(438mm) x 1.7"H(43.2mm) x 30.3"D(770mm)
Processor	Dual 3rd Gen Intel® Xeon® Scalable Processors, up to 40C, TDP 205W (270W is condition)
Chipset	Intel® C621A
Memory	32 x DIMM slots, 8 channel DDR4 2933/3200Mhz RDIMM/LRDIMM/BPS up to 6TB
Drive Bays	12 x 2.5" NVMe/SAS/SATA Hybrid Hot-swap drive bays
Internal Storage	2 x M.2 M-key (2280/22110) 1 x microSD
Expansion Slots	3 x PCIe3.0 Low profile/Half length
Networking	1 x GbE RJ45 Mgmt. port (Realtek® RTL8211E-VB) OCP3.0 Copper or Fiber Mezz.
RAID	SAS/SATA 12Gb/s by LSI3008IR/IMR (MSI MEZ-200a/200b) Intel® VROC7.0 bases on Intel® VMD2.0
Front I/O	1 x Power button 1 x UID button 1 x USB3.0 port 1 x USB2.0 port
Indicators	1 x LED : PWR_SW 1 x LED : UID_SW 1 x LED : Global Alarm (Fan/PWR) 2 x LEDs : NIC Link 1 x LED : HDD
Rear I/O	3 x USB3.0 ports 2 x GbE RJ45 ports (One for Mgmt) 1 x VGA port 1 x Serial RJ45 port 1 x UID LED button (w/ BMC reset function)
Security	TPM 2.0 PFR(optionnal) Case intrusion switch
Server Management	Aspeed AST2600 IPMI2.0 with iKVM
Environment	System Operating Temperature: 0°C ~ 35°C Non-operating Temperature: -20°C ~ 70°C Non-operating Relative Humidity: 5% ~ 85% (non-condensing)
Power Supply	CRPS 800W 1+1 hot-plug redundant PSU
Cooling	2 x Passive CPU heatsink 8 x 40mm x 56mm non Hot-swap fans

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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