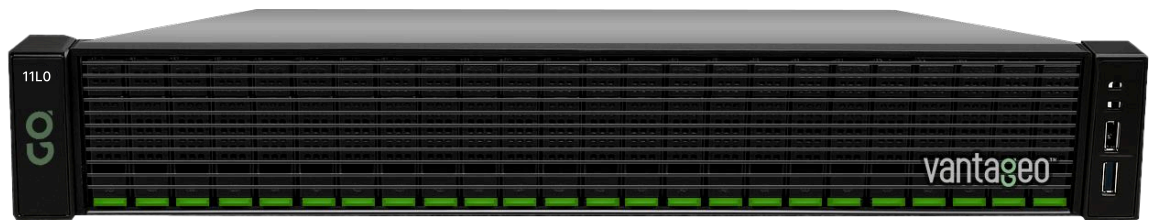


Vantage 11L0-RG



Flexible, Scalable, and Secure



The Vantage 11L0-RG is a high-performance server designed for compact, efficient, and reliable computing solutions. Powered by the Intel C262 chipset, it supports Intel Xeon E-2400 series and Pentium Gold processors on the LGA1700 socket, delivering server-grade performance for entry-level server applications. The board features four DDR5 UDIMM slots supporting ECC memory for improved data integrity and speeds up to 4400 MT/s. It provides versatile storage options with eight SATA 6Gb/s ports and a PCIe 4.0 x4 M.2 slot, while expansion needs are met through one PCIe 5.0 x16 and one PCIe 4.0 x4 slot. Integrated dual Intel I210-AT 1GbE LAN ports and a dedicated management LAN powered by ASPEED AST2600 BMC ensure efficient network connectivity and remote system management. With robust design, energy efficiency, and support for modern technologies, Vantage the 11L0-RG is ideal for small business servers, edge computing, and compact server deployments.

Key Specifications:

Single Intel® Xeon® 6300-Series/E-2400 Processors

Single Intel® Pentium® Gold G7400 / G7400T Processor

Dual Channel DDR5 UDIMM, 4 x DIMMs

Intel® C262 Chipset

2 x 1Gb/s LAN ports via Intel® I210-AT

8 x SATA 6Gb/s ports

1 x M.2 slot with PCIe Gen4 x4 interface

1 x PCIe Gen5 x16 expansion slot

1 x PCIe Gen4 x4 expansion slot

Technical details

Vantageo 11L0-RG Details

Form Factor	2U Rack
Adaptable cabinet	19 inches ≥1,000mm deep cabinet
Chipset	System on chip
Processor	CISC -- X86_64 Architecture Intel® Xeon® 6300-Series Processors, Intel® Xeon® E-2400 Processors, Intel® Pentium® Gold G7400 / G7400T Processor, Single processor, TDP up to 95W
Memory slot	4 x DIMM slots DDR5 memory supported Dual Channel memory per processor UDIMM: Up to 4800 MT/s (1DPC), 4000 MT/s (2DPC/1R), 3600 MT/s (2DPC/2R)
Memory Protection	Advanced ECC
Memory DIMMS Supports	16GB DDR5-4800 32GB DDR5-4800
Hard disk controller	Supports standard and self developed HBAs, Raid cards, and SAS4.0/SAS3.0/SATA3.0/PCIe5.0/PCIe4.0.
Raid Controller	PCIe SAS Raid Card 12Gbps 2Gb caches, support Raid, 0, 1, 5, 6, 10, 50 ,60 with battery backup PCIe SAS Raid Card 12Gbps 4Gb caches, support Raid, 0, 1, 5, 6, 10, 50 ,60 with battery backup PCIe SAS Raid Card 12Gbps 8Gb caches, support Raid, 0, 1, 5, 6, 10, 50 ,60 with battery backup Raid controller cooling with heat sink
Raid Manager	RAID Manager (command-line interface) BIOS Configuration Utility
Key RAID Data Protection Feature	Online Capacity Expansion Online RAID level Migration Fast initialization for quick array setup Check consistency for background data integrity S.M.A.R.T support Global and dedicated Hot Spare with Revertible Hot Spare support Automatic rebuild Health Monitoring tool, Error indication alerts Multi Raid array Support
Hard disk	Provides multiple front storage bays, hot swapping, HDDs, and SSDs. 8x2.5 slots, supporting SAS/SATA
Display	Integrated in ASPEED® AST2600 - 1 x VGA port
System management	Web Management interface Monitoring of critical components like Fan, Power ,CPU , HDD, Raid Telemetry details Support sending alarm notification securely to OEM / Personal for troubleshooting Vantageo Server Suite Provides Comprehensive
PCIe slot	1 x PCIe x16 (Gen5 x16) slot, from CPU 1 x PCIe x8 (Gen4 x4) slot, from PCH

Onboard Ports	2 x 1Gb/s LAN ports (2 x Intel® I210-AT) - Support NCSI function 1 x 10/100/1000 Mbps Management LAN
Device interface	Rear: 2 x USB 3.2 Gen1, 1 x VGA, 1 x COM, 2 x RJ45, 1 x MLAN, 1 x ID button with LED Internal: 1 x CPU fan header, 5 x System fan headers, 1 x TPM header, 1 x USB 3.2 Gen1 x2 header, 8 x SATA connectors, 1 x Front panel header, 1 x Backplane board header, 1 x PMBus header, 1 x IPMB header
Power	Two CRPS standard power supply devices, hot swappable, and 1+1 redundancy 450W high efficiency power supply
Electrical values	
Power supply configuration	1x hot plug power supply or 2x hot plug power supply for redundancy
Active power (max. configuration)	376 W
Apparent power (max. configuration)	381 W
Heat emission (max. configuration)	1130KJ/H
Security	TPM 2.0(Trusted Platform Module), Authenticated BIOS, secure Boot, Silicon Root of Trust, Disk Encryption, Hardware Root of Trust Sign firmware updates and bios core / Scan for malicious firmware Malicious core free design
BIOS	UEFI compliant BIOS Flash EPROM update by software BIOS settings save and restore Local BIOS update from USB device Secure boot support
Remote Management	Remote management supports hardware components, Power on/off and boot process. Supports Management log , Audit Logs and dedicated Management roles bases on users Ports can be integrate with industry wide KVM solution. Monitoring fan, power supply, memory, CPU, RAID, NIC for failures. Remote management supports telemetry streaming and Idle Server Detection. Supports Role Based Security through LDAP or Local and able to provide pre failure alarms for CPU, Memory and HDD by SMTP.
Operating buttons	On/off switch ID button Reset button
Status LEDs	Power ON Customer self service Light path diagnostic led Hard disks access
Environment conditions	Operating temperature: 10°C to 40°C Operating humidity: 8%-80% (non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20%-95% (non-condensing)
Dimension and Weight	Height 3.5" (89 mm) Width 17.2" (437 mm) Depth 25.5" (647 mm) Gross Weight 52 lbs (23.59 kg) Net Weight 37 lbs (16.78 kg) Packaging (W x H x L) 26.7" (678 mm) x 11.4" (290 mm) x 34.5" (876 mm)

Fan	Four hot swappable and redundant middle fans, supporting dynamic and intelligent fan speed adjustment.
Weight	40 kg in full configuration (excluding guide rails)
Supported Components	
SAS SSD	SSD SAS, 22.5Gb/s, 800 GB, Write Intensive, hot plug, 2.5-inch, enterprise, 10 DWPD SSD SAS, 22.5Gb/s, 15.36 TB, Read Intensive, hot plug, 2.5-inch, enterprise, 1 DWPD SSD SAS, 22.5Gb/s, 7.68 TB, Read Intensive, hot plug, 2.5-inch, enterprise, 1 DWPD SSD SAS, 22.5Gb/s, 6.4 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD SSD SAS, 22.5Gb/s, 3.84 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD SSD SAS, 22.5Gb/s, 3.2 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD SSD SAS, 22.5Gb/s, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD SSD SAS, 22.5Gb/s, 1.6 TB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD SSD SAS, 22.5Gb/s, 1.6 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD SSD SAS, 12 Gb/s, 960 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD SSD SAS, 12 Gb/s, 800 GB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD SSD SAS, 12 Gb/s, 800 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD SSD SAS, 12 Gb/s, 400 GB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD SSD SAS, 12 Gb/s, 15.36 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD SSD SAS, 12 Gb/s, 7.68 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD SSD SAS, 12 Gb/s, 6.4 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD SSD SAS, 12 Gb/s, 3.84 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD SSD SAS, 12 Gb/s, 3.2 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD SSD SAS, 12 Gb/s, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD SSD SAS, 12 Gb/s, 1.6 TB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD SSD SAS, 12 Gb/s, 1.6 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD
SSD SATA	SSD SATA, 6 Gb/s, 960 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 5.0 DWPD SSD SATA, 6 Gb/s, 480 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.5 DWPD SSD SATA, 6 Gb/s, 480 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 5.0 DWPD SSD SATA, 6 Gb/s, 480 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3.0 DWPD SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.5 DWPD SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.0 DWPD SSD SATA, 6 Gb/s, 7.68 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.0 DWPD SSD SATA, 6 Gb/s, 7.68 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.6 DWPD SSD SATA, 6 Gb/s, 3.84 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.2 DWPD SSD SATA, 6 Gb/s, 3.84 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3.5 DWPD SSD SATA, 6 Gb/s, 3.84 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.0 DWPD SSD SATA, 6 Gb/s, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.5 DWPD SSD SATA, 6 Gb/s, 1.92 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 5.0 DWPD
Fibre Channel controller	Fibre Channel Host Bus Adapter 1 x Qlogic QLE2770 Fibre Channel Host Bus Adapter 2 x Qlogic QLE2772 Fibre Channel Host Bus Adapter 1 x 32 Gbit/s Emulex LPE35000-M2-F MMF Fibre Channel Host Bus Adapter 2 x 32 Gbit/s Emulex LPE35002-M2-F MMF Fibre Channel Host Bus Adapter 1 x Qlogic QLE2870-FJ-BK MMF Fibre Channel Host Bus Adapter 2 x Qlogic QLE2872-FJ-BK MMF Fibre Channel Host Bus Adapter 1 x 16 Gbit/s Qlogic QLE2690 Fibre Channel Host Bus Adapter 2 x 16 Gbit/s Qlogic QLE2692 Fibre Channel Host Bus Adapter 1 x 16 Gbit/s Emulex LPe31000-M6-F Fibre Channel Host Bus Adapter 2 x 16 Gbit/s Emulex LPe31002-M6

NIC card	PCIE InfiniBand-MCX653105A-ECAT-Mellanox-1x100G HDR IB-PCle4.0x16-HHHL PCIE NIC-I350-Intel-2x1G-RJ45-PCle3.0x8 PCIE NIC-Intel E810XXVDA2G1P5-2x25G SFP28-PCle4.0x8 PCIE NIC-MCX512A-ACAT-Mellanox CX5-2x25G SFP28-PCle3.0x8 PCIE NIC-MCX512A-ACUT-Mellanox CX5-2x25G SFP28-PCle3.0x8 PCIE NIC-MCX623106AN-CDAT-Mellanox CX6-2x100G QSFP56-PCle4.0x16 PCIE NIC-X710-Intel-2x10G-RJ45-PCle3.0x8 PCle NIC-EX710-Intel-2x10G SFP+-PCle3.0x8 PCle NIC-VT NS214-Intel X710-2x10G SFP+ -PCle3.0x8 PCle NIC-VT NS312-Mellanox CX4-2x10G SFP28-PCle3.0x8 PCle NIC-VT NS312-Mellanox CX4-2x25G SFP28-PCle3.0x8 PCle NIC-VT NS313-Mellanox CX6-2x25G SFP28-PCle4.0x8
Raid Card	PCIE RAID card-LSI9460-16i-SAS3516-4GB Cache-RAID0,1,10,5,6,50,60-12Gb/s PCIE RAID card-SAS9560-8i-4GB Cache-RAID0,1,10,5,6,50,60-12Gb/s PCIE SAS HBA-VT RS243-18i-PM8238-no Cache-RAID0,1,10,5-12Gb/s PCIE SAS RAID Card-VT RS241_V2-18i-PM8236-2G Cache-RAID0,1,10,5,6,50,60-12Gb/s PCIE SAS RAID Card-VT RS242_V2-18i-PM8236-4G Cache-RAID0,1,10,5,6,50,60-12Gb/s
Supported operating system & virtualization Software	Compatible with mainstream server operating systems: Microsoft Windows Sever - 2025 Microsoft Windows Sever - 2022 Microsoft Windows Sever - 2019 Microsoft-Hyper V Red Hat Enterprise Linux 10.0 - 10.x Red Hat Enterprise Linux 9.0 - 9.x Red Hat Enterprise Linux 8.6 - 8.x Redhat Open Shift Container Platform 4.x Redhat Virtualization 4.x Red Hat Openshift Virtualization Red Hat Openshift Kubernetes Open Source Linux KVM SUSE Linux Enterprise Server 15 for AMD64 & Intel64 (with XEN / KVM) Ubuntu Server 24.04 & 22.04 LTS VMWare vSphere 8.0 VMWare vSphere 7.0

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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