



# Datasheet

## Vantageo 2230-RT 24x2.5"

### Key Features

Form Factor	2U Rackmountable
Drive Bays	24 x 2.5" hot-swap SAS/SATA drive bay, optional 2 x 2.5" hot-swap drive bay
PSU Form Factor	Redundant CRPS 1+1, 800/1200/1600W (Titanium)
Indicators	1 x Power Status, 2 x LAN Activity, 1 x UID, 1 x HDD Status, 1 x System Alarm
Front Control	1 x Power On/Off, 1 x System Reset, 1 x UID, 2 x USB3.0
System Security	Intrusion Switch (Option)
Cooling Fans	3 x 8cm high-performance PWM fan(s)
Expansion Slots	7 low-profile expansion slot(s)
HDD Backplane	24-port 2U SAS3 12Gbps single-expander backplane, support up to 20x 2.5-inch SAS3/SATA3 HDD/SSD and 4x NVMe/SAS3/SATA3 storage devices

- 16 DIMM slots w/ DDR4-3200memory support
- 3 PCIe Gen. 4x16 + 2 PCIe Gen.4x8 slots
- 2 PCIe x8 SlimSASconnectors (NVMe)
- 2 NVMe 22110 / 2280 M.2 slots
- 2 1000Base-T LAN + 1 dedicate 1000Base-T IPMI ports
- AST2600 BMC with IPMI 2.0 & Redfish support

# SPECIFICATIONS

Processor	Q'ty / Socket Type	(2) LGA4189
	Supported CPU Series	Dual 3rd Gen Intel Xeon Scalable Processor
	Thermal Design Power Wattage	Max up to 270W (TDP)
	System Bus	Up to 11.2/10.4 GT/s with Intel UltraPath Interconnect (UPI) support
Chipset	PCH	Intel C621A
Memory	Supported DIMM Qty	(8)+(8) DIMM slots
	DIMM Type / Speed	DDR4 ECC RDIMM/RDIMM 3DS/LRDIMM/LRDIMM 3DS 3200
	Capacity	Up to 2,048GB RDIMM/ 4,096GB LRDIMM/ 4,096GB RDIMM 3DS/LRDIMM 3DS *Follow latest Intel DDR4 Memory POR
	Memory channel	8 Channels per CPU
	Memory voltage	1.2V
Expansion Slots	PCIe	(2) PCIe Gen.4 x8 slots / (3) PCIe Gen.4 x16 slots
LAN	Q'ty / Port	(2) GbE ports + (1) GbE dedicated for IPMI
	PHY	Realtek RTL8211E
Storage SATA	Connector	(2) SATA / (3) Mini-SAS (12 ports) / (totally support 14 ports)
	Controller	Intel C621A
	Speed	6Gb/s
	RAID	RAID 0/1/10/5 (Intel RSTe)
Storage NVMe	Connector (M.2)	(2) 22110/2280 (by PCIe interface)
	Notification	Certain M.2 SSDs designed after November 2020 are supported only with a specific motherboard revision. Please contact Vantageo Support for additional information.
Graphic VGA	Connector type	D-Sub 15-pin
	Resolution	Up to 1920x1200
	Chipset	Aspeed AST2600
Storage (Optional)	VROC Support	Yes

# SPECIFICATIONS

Input /Output	USB	(2) USB3.0 ports (@ rear)
	COM	(2) headers
	VGA	(1) D-Sub 15-pin VGA port (@ rear)
	RJ-45	(2) GbE ports + (1) GbE dedicated for IPMI
	Front Panel	(1) 2x12-pin SSI front panel header
	SATA	(3) Mini-SAS HD from PCH SATA-III
	Power	SSI 24-pin + 8-pin + 8-pin power connectors
	Others	(1) ID button
TPM (Optional)	TPM Support	Please refer to our TPM supported list.
System Monitoring	Chipset	Aspeed AST2600
	Fan	Total (5) 4-pin headers
	Temperature	Monitors temperature for CPU, memory & system environment
	Voltage	Monitors voltage for CPU, memory, chipset & power supply
	LED	Over temperature warning indicator / Fan & PSU fail LED indicator
	Others	Watchdog timer support
Server Management	Onboard Chipset	Onboard Aspeed AST2600
	AST2600 iKVM Feature	24-bit high quality video compression / Supports storage over IP and remote platform-flash / USB 2.0 virtual hub
	AST2600 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) / 10/100/1000 Mb/s MAC interface
BIOS	Brand / ROM size	AMI / 32MB
	Feature	Hardware Monitor / Boot from USB device/PXE via LAN/Storage / Console Redirection / User Configurable FAN PWM Duty Cycle / SMBIOS 3.0/PnP/Wake on LAN / ACPI 6.1 / ACPI sleeping states S4,S5
Physical Dimension	Form Factor	SSI EEB compatible
	Board Dimension	12.2" x 13.04" (309.8 x 331.2mm)

# SPECIFICATIONS

Regulation	FCC (SDoC)	Class A
	CE (DoC)	Class A
	RCM	Class A
	VCCI	Class A
Operating Environment	Operating Temp.	10° C ~ 35° C (50° F~ 95° F)
	Non-operating Temp.	- 40° C ~ 70° C (-40° F ~ 158° F)
	In/Non-operating Humidity	90%, non-condensing at 35° C
RoHS	RoHS 6/6 Compliant	Yes
Operating System	OS supported list	Supports all OS Windows/Linux/Ubuntu

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