

R3216-G5

3U 16-Bay File Server



FEATURES

- 3U 16-Bay Storage Server with SAS/SATA hot-swap drives support
- Two external rear 2.5" SATA, two onboard M.2 2280 Gen4 x4 and PFR with M.2 connector (optional)
- Powered by the latest dual Intel® Xeon® 5th Gen Emerald Rapids / 4th Gen Sapphire Rapids processors for exceptional computing performance and power efficiency
- Supports 16 DDR5 RDIMM slots for maximum memory performance
- Supports 5 x16 PCIe 5.0/CXL + 1 x8 PCIe 5.0/CXL
- Supports three MCIO x8 PCIe 5.0/CXL lanes, total 24 PCIe 5.0 lanes
- Onboard Baseboard Management Controller for advanced system management and IPMI control
- Trusted Platform Module (TPM) 2.0 onboard
- TCM 2.0 interface for extension
- Supports 800W / 1200W (1+1) redundant power supply

File Server

SPECIFICATIONS

Model Number	InfiniPlus R3216-G5		
Processor	Dual Intel® Xeon® 5 th Gen Emerald Rapids & 4 th Gen Sapphire Rapids CPU TDP: 350W Max		
	Socket	2 × LGA4677-X (Socket E1)	
Chipset	Intel® C741 Chipset		
Memory	• 8 x Memory channels per CPU; 16 DDR5 RDIMM slots support • Max DDR5 5600 / 4800MTs RDIMM (1DPC) • Support up to 4TB (3DS RDIMM)		
Front Panel	• System Power On/Off Button • System Reset Button • System ID Indicator • 2 x USB 3.0 Type-A Ports		
LEDs	• Power Status • Drive Activity • System Alert • LAN Activity • System ID		
Drive Bays	External	3.5"/2.5" hot swap	16 (SAS/SATA)
		2.5" hot swap	2 (SATA) Rear
	Internal	2.5"	4 (SATA)
		M.2 (onboard)	2 x M.2 (NGFF) / M-Key / 2280

Expansion Slots	PCIe 5.0	• 3 x16 PCIe 5.0/CXL (CPU0) • 2 x16 PCIe 5.0/CXL (CPU1) • 1 x8 PCIe 5.0/CXL (CPU1)
	MCIO	3 MCIO x8 PCIe 5.0
Graphics	• Integrated VGA support by ASPEED AST2600 • Resolution up to 1920 x 1200 @ 60Hz, 32bpp	
Internal I/O	SATA	• 1 x Slimline connector • 2 x SATA 3.0 (6 Gb/s) 7-pin connectors
Rear I/O	Network Controllers	• 1 x GbE RJ45 port for dedicated BMC management • 2 x 1 GbE or 2 x 10 GbE RJ45 ports (Optional)
	USB	2 x USB 3.2
	Video Output	1 x external DB-15 VGA port
	Serial Port	1 x external COM connector (Audio Jack)
Others	1 x External UID / Switch Button	
Security	• Trusted Platform Module 2.0 onboard • TCM 2.0 interface for extension • PFR interface for extension (M.2 connector)	
Power Supply	800W / 1200W (1+1) Redundant Power Supply, 80+ Platinum AC Input: 100~240V, 50/60Hz, 10-5A	
System Cooling	3 x 80 x 38 mm hot swap fans	
Environmental Specifications	• Storage temperature: -10°C (14°F) ~ 60°C (140°F) • Operating temperature: 0°C (32°F) ~ 35°C (95°F) • Storage operating humidity: 5% ~ 95% non-condensing	
System Management	• IPMI 2.0 compliant • KVM over IP • Virtual Media redirection • Monitoring of temperature, fan, voltage, and PSU sensors • System temperature tracking • System ID and fail indicator • Remote power control (On / Off / Reset) • SEL (System Event Log) message alerts via email • SNMP (Simple Network Management Protocol) support • Intel® Node Manager (Intel NM) support	
Gross Weight	(w/ PSU & Rail)	Kg: 34
Dimensions	(W x D x H)	mm: 430 x 680 x 133
		inches: 17 x 26.8 x 5.2
Certification	BIS, RoHS compliant	
Warranty	3 Years + 2 Years Extended	
Additional Accessories	• HBA (FC, iSCSI & SAS) with RAID – PCIe 4.0 x8 • Dual-Port 1 GbE RJ-45 Network Interface Card – PCIe 2.1 x4 • Dual-Port 10 GbE RJ-45 Network Interface Card – PCIe 3.0 x8 • Dual-Port 10 GbE SFP+ Network Interface Card – PCIe 4.0 x8 • Quad-Port 10 GbE SFP+ Ethernet Network Adapter – PCIe 4.0 x16 • Dual-Port 25 GbE Network Interface Card – PCIe 4.0 x8 • Quad-Port 25 GbE Network Interface Card – PCIe 4.0 x16 • Dual-Port 100 GbE Ethernet Network Adapter – PCIe 4.0 x16 • Dual-Port 200 GbE Ethernet Network Adapter - PCIe 4.0 x16 • Dual-Port 40 GbE QSFP+ Ethernet Adapter (Direct-Attach Cable support up to 10 m) • Quad-Port 16 GbE Fibre Channel Adapter – PCIe 4.0 x8 • Dual-Port 32 GbE Fibre Channel Adapter – PCIe 4.0 x8	
Mounting	Standard 28" tool-less slide rail	