

R3216-i3

3U 16-Bay Storage Server



FEATURES

- 3U 16-Bay Storage Server with 3.5" SAS/SATA drives support
- Two external rear 2.5" SATA, four internal SATA & two onboard M.2 (NGFF) M-Key 2280 slots
- Supports dual Intel® Xeon® 3rd Gen Scalable (Ice Lake) processors, delivering exceptional server performance and enhanced power efficiency
- 16 DDR4 DIMM slots for maximum memory performance
- Expansion support: Up to 3 x PCIe Gen4 x16 slots, 2 x PCIe Gen4 x8 slots, 4 x Slimline x8 ports, and 1 x OCP 3.0 slot
- Onboard Baseboard Management Controller for advanced system management and IPMI control
- Front-to-back airflow with hot-swap redundant fans for optimal thermal performance
- Trusted Platform Module (TPM) 2.0 onboard
- Supports 800W / 1200W (1+1) redundant power supply, 80+ Platinum efficiency

**Storage
Server**

SPECIFICATIONS

Model Number	InfiniPlus R3216-i3		
Processor	Dual Intel® Xeon® 3 rd Gen Scalable processors (Ice Lake) CPU TDP: 270W		
	Socket	P+ (LGA-4189)	
Chipset	Intel® C621A Chipset		
Memory	• 8 x Memory channels per CPU; 16 x DIMM slots • DDR4 3200 / 2933MHz RDIMM/LRDIMM • Support up to 4TB RDIMM/LRDIMM		
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 (Onboard)	M.2	2 x M.2 (NGFF) / M-Key /2280
		2.5" SSD	4 (SATA)

Expansion Slots	PCI 4.0	• CPU0: 2 x PCIe Gen4 x16 slots + 1 x OCP v3.0 • CPU1: 1 x PCIe Gen4 x16 slot + 2 x PCIe Gen4 x8
	Slimline x8 port	• CPU0: 1 x Slimline x8 Gen4 port • CPU1: 3 x Slimline x8 Gen4 ports
Graphics	• Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • Resolution: 1920 x 1200 @ 60Hz, 32bpp	
Internal I/O	SATA	• 1 x Slimline x8 for SATA • 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 • 1 x GbE RJ45 port for BMC shared NIC management
	USB	2 x USB 3.0
	Video Output	1 x external DB-15 VGA port
	Serial Port	1 x external COM port jack
Security	• Trusted Platform Module (TPM) 2.0 onboard	
Power Supply	800W / 1200W(1+1) Redundant PSU PMBus 1.2, 80+ Platinum AC Input: 100~240V, 50/60Hz, 10-5A	
System Cooling	3 x 80 x 38 mm PWM 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: temperature, fan, voltage, 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 - OCP 3.0 / PCIe 4.0 x8 • Dual-Port 1 GbE RJ45 Network Interface Card - PCIe 2.1 x4 • Dual-Port 10 GbE RJ45 Network Interface Card - PCIe 3.0 x8 • Dual-Port 10 GbE SFP+ Network Interface Card - OCP 3.0 / PCIe 4.0 x8 • Quad-Port 10 GbE SFP+ Network Interface Card - OCP 3.0 / PCIe 4.0 x16 • Dual-Port 25 GbE Network Interface Card - OCP 3.0 / PCIe 4.0 x8 • Quad-Port 25 GbE Network Interface Card - OCP 3.0 / PCIe 4.0 x16 • Dual-Port 100 GbE Ethernet Network Adapter - OCP 3.0 / PCIe 4.0 x16 • Dual-Port 200 GbE Ethernet Network Adapter • Dual-Port 40 GbE QSFP+ Ethernet Adapter with direct attach cabling support (up to 10 m) • Quad-Port 16 GbE Fibre Channel Adapter - OCP 3.0 / PCIe 4.0 x8 • Dual-Port 32 GbE Fibre Channel Adapter - OCP 3.0 / PCIe 4.0 x8	
Mounting	Standard 28" tool-less slide rail	