

R1204-i3

1U 4-Bay File Server



FEATURES

- 1U 4-Bay Server with 3.5" SAS/SATA/NVMe drives support
- Two internal 2.5" SATA and 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 2 × PCIe Gen4 x16 slots, 1 × OCP v3.0 slot, and 2 × Slimline x8 ports
- Onboard Baseboard Management Controller (BMC) for system management and IPMI control, with a dedicated BMC management port
- Trusted Platform Module (TPM) 2.0 onboard
- Onboard RAID support for levels 0, 1, 5, and 10
- Supports 750W / 1100W (1+1) redundant power supply

File Server

SPECIFICATIONS

Model Number	InfiniPlus R1204-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 × Memory channels per CPU; 16 × DIMM slots • DDR4 3200/2933MHz RDIMM/LRDIMM • Supports up to 4TB RDIMM/LRDIMM		
Front Panel	• System Power On/Off Button • System Reset Button • System ID Indicator • 2 × 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	4 (SAS/SATA/NVMe)
	Internal	2.5" OS M.2	2 (SATA) 2 × M.2 (NGFF) / M-Key / 2280

Expansion Slots	PCI 4.0	- CPU0: 2 × PCIe Gen4 x16 slots + 1 × OCP v3.0 - CPU1: 2 × PCIe Gen4 x8 slots + 1 × PCIe Gen4 x16 slot - Available: 2 × PCIe Gen4 x16 slots (CPU0) via riser card
	Slimline x8 port	- CPU0: 1 × Slimline x8 Gen4 port - CPU1: 3 × Slimline x8 Gen4 ports
Graphics	- Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor - PCIe VGA/2D Controller - Resolution: 1920 × 1200 @ 60Hz, 32bpp	
Internal I/O	SATA	1 × Slimline x8 for SATA 2 × SATA 3.0 (6 Gb/s) 7-pin connectors
Rear I/O	Network Controllers	1 × GbE RJ45 port for dedicated BMC management 1 × GbE RJ45 port for BMC shared NIC management
	USB	2 × USB 3.0
	Video Output	1 × external DB-15 VGA port
	Serial Port	1 × external COM port jack
Security	Trusted Platform Module (TPM) 2.0 onboard	
Power Supply	750W / 1100W 1+1 redundant power supply, 80+ Platinum AC Input: 100~240V, 50/60Hz, 10~5A	
System Cooling	6 × 40 × 56 mm easy 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: 20
Dimensions	(W × D × H)	mm: 438 × 680 × 43.5
		inches: 17 × 26.8 × 1.72
Certification	BIS, RoHS compliant	
Warranty	3 Years + 2 Years Extended	
Additional Accessories	- HBA (FC, iSCSI & SAS) with RAID – OCP 3.0 / PCIe 4.0 ×8 - Dual-Port 1 GbE RJ45 Network Interface Card – PCIe 2.1 ×4 - Dual-Port 10 GbE RJ45 Network Interface Card – PCIe 3.0 ×8 - Dual-Port 10 GbE SFP+ Network Interface Card – OCP 3.0 / PCIe 4.0 ×8 - Quad-Port 10 GbE SFP+ Network Interface Card – OCP 3.0 / PCIe 4.0 ×16 - Dual-Port 25 GbE Network Interface Card – OCP 3.0 / PCIe 4.0 ×8 - Quad-Port 25 GbE Network Interface Card – OCP 3.0 / PCIe 4.0 ×16 - Dual-Port 100 GbE Ethernet Network Adapter – OCP 3.0 / PCIe 4.0 ×16 - 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 ×8 - Dual-Port 32 GbE Fibre Channel Adapter – OCP 3.0 / PCIe 4.0 ×8	
Mounting	Standard 28" tool-less slide rail	