

AF1212-G5

1U 12-Bay All-Flash Server



FEATURES

Ultra High Throughput upto 80/50 GBPS (Read/Write)

- 1U Ultra high-performance All-Flash Server with 12 x 2.5" front NVMe hot-swappable bays
- Two M.2 connector onboard
- Powered by the latest dual Intel® Xeon® 5th Gen Emerald Rapids / 4th Gen Sapphire Rapids processors for exceptional computing performance and power efficiency
- Supports 32 x DDR5 RDIMM memory slots - 16 slots per CPU
- Flexible I/O Options: 2 x OCP 3.0 bays, 2 x PCIe x16 slots (FHHL) (PCIe x16 Gen5)
- Onboard Baseboard Management Controller for advanced system management and IPMI control
- Trusted Platform Module (TPM) 2.0 onboard
- Supports 1600W (1+1) redundant power supply

All-Flash
Server

SPECIFICATIONS

Model Number	InfiniPlus AF1212-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 Support	Intel® Emmitsburg PCH (C741 Chipset)		
System Memory	• DDR5 4800MHz (1DPC) • DDR5 5600MHz (1DPC) 4400MTS (2DPC) by Emerald Rapids CPU • Total 32 memory slots; 16 slots per CPU (2DPC)		
Front Panel	• System Power On/Off Button • System Reset Button • System Alert Indicator • System ID Indicator • 1 x USB 3.0 Type-A Port		
LEDs	• Power Status Indicator • Drive Activity Indicator • LAN Activity Indicator • Warning Indicator • System ID Indicator		
Drive Bays	External	2.5" hot swap	12 x PCIe Gen5 NVMe
	Internal	M.2	2 x M.2/M-Key/22110/2280 (PCIe Gen4)

Expansion Slots	PCIe 5.0	• 2 x PCIe x16 slots (FHHL) • 2 x OCP 3.0 bays (PCIe x16 width)
	MCIO	12 x MCIO x8 PCIe 5.0
Riser Card	2 x PCIe 5.0 x16 cable CEM	
Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • Resolution: 1920 x 1200 @ 60Hz, 32bpp	
Rear Ports	LAN	1 x GbE port for dedicated BMC management
	USB	2 x USB 3.2 Gen1 Type-A ports
	Video Output	1 x external DB-15 VGA port 1 x Mini Display port
	Serial Port	1 x external RJ45 COM port
Power Supply	1600W Redundant Power Supply, 80+ Platinum/Titanium	
System Cooling	8 x 40 x 56 mm easy-swap fans with ABS material plastic air-duct	
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: 20
Dimensions	(W x D x H)	mm: 438 x 800 x 43.75
		inches: 17.2 x 31.5 x 1.75
Certification	BIS, RoHS compliance	
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 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 – OCP 3.0 / PCIe 4.0 x8 • Quad-Port 10 GbE SFP+ Ethernet Network Adapter – 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 (Direct-Attach Cable 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 – PCIe 4.0 x8	
Mounting	Standard 28" tool-less slide rail	