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EBM
InfiniPlus Server

R3216- i5

FEATURES

- 3U 16-Bay storage server with SATA/SAS drives support
- Supports 4th Gen & 5th Gen Dual Intel Sapphire Rapids / Emerald Rapids CPU
- Increased Memory Bandwidth (up to 50%) with DDRS vs' 3rd Gen Intel@ Xeon@ Scalable processor (DDR4)
- Increased I/O Bandwidth with PCIe 5'0 vs.3rd Gen Intel@ Xeon@ Scalable processor (PCIe 4.0)
- Supports Compute Express Link (CXLI .1)
- Support Expansion Slots 5 x16 PCIe 5.0/CXL and 1 x8 PCIe5.0/CXL
- Supports three MCIO x8, total 24 PCIeS.O / CXL lanes
- Supports Trusted Platform Module 2.0 onboard
- Supports 800W 1+1 redundant Power Supply

SPECIFICATION	
Model Number	**InfiniPlus - R3216- i5**
Processor	4th Gen & 5th Gen Dual Intel Sapphire Rapids / Emerald Rapids CPU CPU TDP: 350 W
Chipset & Socket Type	Intel@ C741Chipset (LGA-4677)
System Memory & Max Capacity	• DDR5 5600/4800MTs RDIMM (1DPC) • Total 16 Memory Slots; 8 Slots per CPU (1DPC) • Support up to 4TB (3DS RDIMM)
Front Panel	• System power on/off • System reset • 2 x USB 3.0 Type A • System ID
LED	• Power status • HDD activity • LAN activity • Warning • System ID

Drive Bays	External	3.5"/2.5" hot swap	16
	Internal	2.5"	Options: • 6 x 2.5" internal • 4 x 2.5" internal and 2 x 2.5" hot swap

Backplane	• 1 x 16-port 12Gb SATA/SAS backplane with 28-PHY expander chip and 3 SFF-8643 connectors OR • 16-bay 12G passive backplane, without individual power

Expansion Slots	Total Support 120 lanes of PCIe5.0	• PCIe slots -3 x16 PCIe 5.0/CXL(CPU0) -2 x16 PCIe5.0/CXL(CPU1) -1 x8 PCIe5.0/CXL(CPU1) • MCIO -3 MCIO x8 PCIe5.0/CXL • M.2 -2M.2 2280 PCIe4.0 x4 / SATA co-design

Bios Type	AMI UEFI BIOS

Bios Features	• ACPI • PXE • WOL • AC Loss Recovery • IPMI 2.0 KCS mode interface • SRIOV • TPM • Serial console redirection • PCIe hot plug

SATA	Emmitsburg PCH on-chip Solution • 2 x SATA 3.0 (6 Gb/s) 7 pin connectors • 1 x Slimline connector (up to 8 SATA ports)

Graphics	Integrated VGA Support by ASPEED AST2600 Resolution up to 1920x1200@60Hz 32bpp

Rear Ports	Network Controllers	1 x Realtek RTL8211FS GbE for BMC dedicated management RJ 45 port 2 x Broadcom BCM5720 dual port GbE/ 10G Base-T co-design by BOM option (NCSI for share NIC) RJ 45 port
	USB	• USB3 2 x USB 3.1 Gen Double Stack Type-A Rear connector 1 x USB 3 pin Header supports Two USB3.1 Gen1 • USB2 2 x USB 2.0 pin headers support two USB 2.0
	Video Output	1 x external DB-15 VGA port
	Serial Port	1 x external COM connector (Audio Jack)

Power Supply	800W 1+1 CRPS RPSU 80+ AC INPUT: 100~240V,50/60Hz,10-5A

System Cooling	3 x 80x38mm PWM & low-power consumption 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 • KVM over IP • Media redirection • Temperature, fan, voltage, PSU sensor monitor • System temperature • System ID/System fail indicator • emote power on/off/reset • SEL message alarm through mail

	• SNMP support • Intel NM	
Gross Weight	(w/ PSU & Rail)	Kg: 34
Certification	BIS, RoHS compliant	
Warranty	3 Year	
Dimensions	(W x D x H)	mm: 430 x 680 x 133
		inches: 17 x 26.8 x 5.2
Additional Accessories	• HBA (FC iSCSI & SAS) & Raid - OCP3.0/ PCIe 4.0 x8 • Dual Port 1GbE RJ45 Network Card • Dual Port 10 GbE RJ45 Network card • Dual-Port 10G SFP+ OCP 3.0/ PCIe 4.0 x8 • HBA (FC iSCSI & SAS) & Raid - OCP3.0/ PCIe 4.0 x8 • Dual Port 1GbE RJ45 Network Card • Dual Port 10 GbE RJ45 Network card • Dual-Port 10G SFP+ OCP 3.0/ PCIe 4.0 x8 • Dual Port QSFP 25GbE Ethernet Network Adapter • QUAD PORT 10GbE SFP+ Ethernet Network Adapter • Quad-Port 16 GB FC Adapter • Dual Port 25 Gb/s Network Interface Card • Quad Port 25Gbs Network Interface Card • CDAT Dual port 100Gbs PCIe 4.0 x16 • Dual 40 GbE QSFP+ Direct Attach Cabling up to 10m	
Mounting	Standard 28" tool-less slide rail	