



EBM

InfiniPlus Server

R1210- i5

FEATURES

Features

- 1U 2.5" 10 Bays
- Increased Memory Bandwidth (up to 50%) with DDR5 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 (CXL) .1)
- Six PCIe slots can support three FHFL PCIe 5.0 x16 add-in
- Supports three MCIO x8, total 24 PCIe 5.0 / CXL lane



Specifications

Model Number	R1210-i4 & i5		
Processor	4th Gen & 5 th Gen Dual Intel Sapphire Rapids / Emerald Rapids CPU CPU TDP: 350 W		
Chipset & Socket Type	Intel@ C741Chipset (LGA-4677)		
System Memory	<ul style="list-style-type: none"> • Max DDR5 5600/4800 MTs RDIMM (1DPC) • Total 16 memory slots; 8 slots per CPU (1 DPC) • Support up to 4 TB (3DS RDIMM) 		
Front Panel	<ul style="list-style-type: none"> • System power on/off • System reset • 2 x USB 3.0 Type A • System ID 		
LED	<ul style="list-style-type: none"> • Power status • HDD activity • LAN activity • Warning • System ID 		
Drive Bays	External	2.5"hot swap	10
	Internal	M.2	2 x M.2(NGFF)/M-Key/2280
Backplane	<ul style="list-style-type: none"> • 2 x 4-port 6G SATA/12G SAS +1 x 2-port 6G SATA OR <ul style="list-style-type: none"> • 1 x 4-port 6G SATA/12G SAS/PCIe Gen4 NVMe + 1 x 4-port 6G SATA/12G SAS + 1 x 2-port 6G SATA OR <ul style="list-style-type: none"> • 2 x 4-port 6G SATA/12G SAS/PCIe Gen4 NVMe + 1 x 2-port 6G SATA OR <ul style="list-style-type: none"> • 2 x 4-port 6G SATA/12G SAS + 1 x 2-port PCIe Gen4 NVMe 		
Expansion Slots	Total Support 120 lanes of PCIe5.0	CPU0: 2 x PCIe Gen4 x16 slots	
		MAX <ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC Loss Recovery • IPMI 2.0 KCS mode interface • SRIOV • TPM • Serial console redirection • PCIe hot plug 		
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	<ul style="list-style-type: none"> • USB3 2 x USB 3.1 Gen Double Stack Type-A Rear connector 1 x USB 3 pin Header supports Two USB3.1 Gen1 <ul style="list-style-type: none"> • 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)
Others	1 x External UID/ Switch Button	
Additional Information	Security: <ul style="list-style-type: none"> • M.2 connector for PFR (optional) • 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 x 40x56mm easy swap fans 1 x 40x28mm fan	
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	<ul style="list-style-type: none"> • IPMI: Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support 	
Gross Weight	(w/ PSU & Rail)	Kg: 20
Dimensions	(W x D x H)	mm: 438 x 678.7 x 43.5
		inches: 17 x 26.8 x 1.72
Certification	BIS, RoHS compliant	
Warranty	3 Years	
Additional Accessories	<ul style="list-style-type: none"> • 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	





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