



*SR4224- i5*

## FEATURES

- 4U- 24-Bay storage server with SATA/SAS3 drives support
- Supports 4th Gen & 5<sup>th</sup> Gen Dual Intel Sapphire Rapids / Emerald Rapids CPU
- 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 1.1)
- 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 1200W 1+1 redundant Power Supply

## SPECIFICATIONS

<b>Model Number</b>	<b>InfiniPlus - SR4224-i5</b>		
<b>Processor</b>	4th Gen & 5 <sup>th</sup> Gen Dual Intel Sapphire Rapids / Emerald Rapids CPU CPU TDP: 350 W		
<b>Chipset</b>	Intel® C741Chipset (LGA-4677)		
<b>System Memory &amp; Max Capacity</b>	<ul style="list-style-type: none"> <li>• DDR5 5600/4800MTs RDIMM (1DPC)</li> <li>• Total 16 Memory Slots; 8 Slots per CPU (1DPC)</li> <li>• Support up to 4TB (3DS RDIMM)</li> </ul>		
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• System power on/off</li> <li>• System reset</li> <li>• 2 x USB 3.0 Type A</li> <li>• System ID</li> </ul>		
<b>LED</b>	<ul style="list-style-type: none"> <li>• Power status</li> <li>• HDD activity</li> <li>• LAN activity</li> <li>• Warning</li> <li>• System ID</li> </ul>		
<b>Drive Bays</b>	External	3.5"/2.5" hot swap Front	24
		2.5" hot swap Rear	2
	Internal	M.2	2 x M.2 (NGFF)/M-Key/2280
<b>Backplane</b>	<ul style="list-style-type: none"> <li>• 1 x 24-port 12Gb/s SAS3 expander backplane</li> </ul> <p>Or</p> <ul style="list-style-type: none"> <li>• 1 x 24-port 24Gb/s SAS4 expander backplane</li> </ul>		
<b>Expansion Slots</b>	Total Support 120 lanes of PCIe5.0	<ul style="list-style-type: none"> <li>• PCIe slots</li> <li>-3 x16 PCIe 5.0/CXL(CPU0)</li> <li>-2 x16 PCIe5.0/CXL(CPU1)</li> <li>-1 x8 PCIe5.0/CXL(CPU1)</li> <li>• MCIO</li> <li>-3 MCIO x8 PCIe5.0/CXL</li> <li>• M.2</li> <li>-2M.2 2280 PCIe4.0 x4 / SATA co-design</li> </ul>	
<b>Bios Type</b>	AMI UEFI BIOS		
<b>Bios Features</b>	<ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• WOL</li> <li>• AC Loss Recovery</li> <li>• IPMI 2.0 KCS mode interface</li> <li>• SRIOV</li> </ul>		



	<ul style="list-style-type: none"> <li>• TPM</li> <li>• Serial console redirection</li> <li>• PCIe hot plug</li> </ul>	
<b>SATA</b>	Emmitsburg PCH on-chip Solution <ul style="list-style-type: none"> <li>• 2 x SATA 3.0 (6 Gb/s) 7 pin connectors</li> <li>• 1 x Slimline connector (up to 8 SATA ports)</li> </ul>	
<b>Graphics</b>	Integrated VGA Support by ASPEED AST2600 Resolution up to 1920x1200@60Hz 32bpp	
<b>Rear Ports</b>	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"> <li>• USB3</li> </ul> 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"> <li>• USB2</li> </ul> 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)
<b>Others</b>	1 x External UID/ Switch Button	
<b>Additional Information</b>	Security: <ul style="list-style-type: none"> <li>• M.2 connector for PFR (optional)</li> <li>• TPM 2.0 onboard</li> </ul>	
<b>Power Supply</b>	1200W 1+1 redundant PSU PMBus 1.2 80+ Platinum AC INPUT: 100~240V,50/60Hz,10-5A	
<b>System Cooling</b>	3 x120x 38mm hot swap fans	
<b>Environmental Specifications</b>	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	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• IPMI 2.0</li> <li>• KVM over IP</li> <li>• Media redirection</li> <li>• Temperature, fan, voltage, PSU sensor monitor</li> <li>• System temperature</li> <li>• System ID/System fail indicator</li> <li>• Remote power on/off/reset</li> <li>• SEL message alarm through mail</li> <li>• SNMP support</li> <li>• Intel NM</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs: 37
<b>Dimensions</b>	(W x D x H)	mm: 430 x 680 x 174.3
		inches: 16.9 x 26.8 x 6.9



<b>Certification</b>	BIS, RoHS compliant
<b>Warranty</b>	3 Year
<b>ADDITIONAL Accessories</b>	<ul style="list-style-type: none"> <li>• HBA (FC iSCSI &amp; SAS) &amp; Raid - OCP3.0/ PCIe 4.0 x8</li> <li>• Dual Port 1GbE RJ45 Network Card</li> <li>• Dual Port 10 GbE RJ45 Network card</li> <li>• Dual-Port 10G SFP+ OCP 3.0/ PCIe 4.0 x8</li> <li>• HBA (FC iSCSI &amp; SAS) &amp; Raid - OCP3.0/ PCIe 4.0 x8</li> <li>• Dual Port 1GbE RJ45 Network Card</li> <li>• Dual Port 10 GbE RJ45 Network card</li> <li>• Dual-Port 10G SFP+ OCP 3.0/ PCIe 4.0 x8</li> <li>• Dual Port QSFP 25GbE Ethernet Network Adapter</li> <li>• QUAD PORT 10GbE SFP+ Ethernet Network Adapter</li> <li>• Quad-Port 16 GB FC Adapter</li> <li>• Dual Port 25 Gb/s Network Interface Card</li> <li>• Quad Port 25Gbs Network Interface Card</li> <li>• CDAT Dual port 100Gbs PCIe 4.0 x16</li> <li>• Dual 40 GbE QSFP+ Direct Attach Cabling up to 10m</li> </ul>
<b>Mounting</b>	Standard 28" tool-less slide rail

