

# SR4236-G5

4U 36-Bay Storage Server



## FEATURES

- 4U 36-Bay Storage Server with SAS / SATA drives support
- Two external rear 2.5" SATA, two onboard M.2 2280 Gen4 x4 and PFR with M.2 connector (optional)
- Powered by the latest dual Intel® Xeon® 5<sup>th</sup> Gen Emerald Rapids / 4<sup>th</sup> Gen Sapphire Rapids processors for exceptional computing performance and power efficiency
- Supports 16 DDR5 RDIMM Slots for maximum memory performance
- Supports 5 x16 PCIe 5.0/CXL + 1 x8 PCIe 5.0/CXL
- Supports three MCIO x8 PCIe 5.0/CXL lanes, total 24 PCIe 5.0 lanes
- Onboard Baseboard Management Controller for advanced system management and IPMI control
- Trusted Platform Module (TPM) 2.0 onboard
- TCM 2.0 interface for extension
- Supports 1200W (1+1) redundant power supply

Storage  
Server

## SPECIFICATIONS

| Model Number | InfiniPlus SR4236-G5                                                                                                                                                                              |                           |                               |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------|
| Processor    | Dual Intel® Xeon® 5 <sup>th</sup> Gen Emerald Rapids and 4 <sup>th</sup> Gen Sapphire Rapids<br>CPU TDP: 350W Max                                                                                 |                           |                               |
|              | Socket                                                                                                                                                                                            | 2 × LGA4677-X (Socket E1) |                               |
| Chipset      | Intel® C741 Chipset                                                                                                                                                                               |                           |                               |
| Memory       | <ul style="list-style-type: none"><li>• 8 x Memory channels per CPU; 16 DDR5 RDIMM slots support</li><li>• Max DDR5 5600 / 4800MTs RDIMM (1DPC)</li><li>• Support up to 4TB (3DS RDIMM)</li></ul> |                           |                               |
| Front Panel  | <ul style="list-style-type: none"><li>• System Power On/Off Button</li><li>• System Reset Button</li><li>• System ID Indicator</li><li>• 2 x USB 3.0 Type-A Ports</li></ul>                       |                           |                               |
| LEDs         | <ul style="list-style-type: none"><li>• Power Status</li><li>• Drive Activity</li><li>• LAN Activity</li><li>• System Alert</li><li>• System ID</li></ul>                                         |                           |                               |
| Drive Bays   | External                                                                                                                                                                                          | 3.5”/2.5” hot swap Front  | 36 (SAS/SATA)                 |
|              |                                                                                                                                                                                                   | 2.5" hot swap Rear        | 2 (SATA)                      |
|              | Internal                                                                                                                                                                                          | M.2                       | 2 x M.2 (NGFF) / M-Key / 2280 |

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                             |
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| Expansion Slots              | PCIe 5.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <ul style="list-style-type: none"> <li>• 3x16 PCIe 5.0/CXL (CPU0)</li> <li>• 2x16 PCIe 5.0/CXL (CPU1)</li> <li>• 1x8 PCIe 5.0/CXL (CPU1)</li> </ul>         |
|                              | MCIO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3 MCIO x8 PCIe 5.0                                                                                                                                          |
| Graphics                     | <ul style="list-style-type: none"> <li>• Integrated VGA support by ASPEED AST2600</li> <li>• Resolution up to 1920 x 1200 @ 60Hz, 32bpp</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                             |
| Internal I/O                 | SATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>• 1 x Slimline connector</li> <li>• 2 x SATA 3.0 (6 Gb/s) 7-pin connectors</li> </ul>                                |
| Rear I/O                     | Network Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <ul style="list-style-type: none"> <li>• 1 x GbE RJ45 port for dedicated BMC management</li> <li>• 2 x 1 GbE or 2 x 10 GbE RJ45 ports (Optional)</li> </ul> |
|                              | USB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2 x USB 3.2                                                                                                                                                 |
|                              | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                             |
| Security                     | <ul style="list-style-type: none"> <li>• Trusted Platform Module 2.0 onboard</li> <li>• TCM 2.0 interface for extension</li> <li>• M.2 connector for PFR (optional)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                             |
| Power Supply                 | 1200W (1+1) Redundant Power Supply, 80+ Platinum<br>AC Input: 100~240V, 50/60Hz, 10-5A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                             |
| System Cooling               | 6 x 80 x 38 mm hot swap fans                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                             |
| Environmental Specifications | <ul style="list-style-type: none"> <li>• Storage temperature: -10°C (14°F) ~ 60°C (140°F)</li> <li>• Operating temperature: 0°C (32°F) ~ 35°C (95°F)</li> <li>• Storage operating humidity: 5% ~ 95% non-condensing</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                             |
| System Management            | <ul style="list-style-type: none"> <li>• IPMI 2.0 compliant</li> <li>• KVM over IP</li> <li>• Virtual Media redirection</li> <li>• Monitoring of temperature, fan, voltage, and PSU sensors</li> <li>• System temperature tracking</li> <li>• System ID and fail indicator</li> <li>• Remote power control (On / Off / Reset)</li> <li>• SEL (System Event Log) message alerts via email</li> <li>• SNMP (Simple Network Management Protocol) support</li> <li>• Intel® Node Manager (Intel NM) support</li> </ul>                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                             |
| Gross Weight                 | (w/ PSU & Rail)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Kg: 37                                                                                                                                                      |
| Dimensions                   | (W x D x H)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | mm: 430 x 680 x 174.3                                                                                                                                       |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | inches: 16.9 x 26.8 x 6.9                                                                                                                                   |
| Certification                | BIS, RoHS compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                             |
| Warranty                     | 3 Years + 2 Years Extended                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                             |
| Additional Accessories       | <ul style="list-style-type: none"> <li>• HBA (FC, iSCSI &amp; SAS) with RAID – PCIe 4.0 x8</li> <li>• Dual-Port 1 GbE RJ-45 Network Interface Card – PCIe 2.1 x4</li> <li>• Dual-Port 10 GbE RJ-45 Network Interface Card – PCIe 3.0 x8</li> <li>• Dual-Port 10 GbE SFP+ Network Interface Card – PCIe 4.0 x8</li> <li>• Quad-Port 10 GbE SFP+ Ethernet Network Adapter – PCIe 4.0 x16</li> <li>• Dual-Port 25 GbE Network Interface Card – PCIe 4.0 x8</li> <li>• Quad-Port 25 GbE Network Interface Card – PCIe 4.0 x16</li> <li>• Dual-Port 100 GbE Ethernet Network Adapter – PCIe 4.0 x16</li> <li>• Dual-Port 200 GbE Ethernet Network Adapter</li> <li>• Dual-Port 40 GbE QSFP+ Ethernet Adapter (Direct-Attach Cable support up to 10 m)</li> <li>• Quad-Port 16 GbE Fibre Channel Adapter – PCIe 4.0 x8</li> <li>• Dual-Port 32 GbE Fibre Channel Adapter – PCIe 4.0 x8</li> </ul> |                                                                                                                                                             |
| Mounting                     | Standard 28" tool-less slide rail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                             |