

# R2212-i3

## 2U 12-Bay Storage Server



### FEATURES

- 2U 12-Bay 3.5"/2.5" SAS/SATA/NVMe hot-swap drives support
- Two external rear 2.5" SATA and two onboard M.2 (NGFF) M-Key 2280 slots
- Supports dual Intel® Xeon® 3<sup>rd</sup> Gen Scalable (Ice Lake) processors, delivering exceptional server performance and enhanced power efficiency
- 16 DDR4 DIMM slots for maximum memory performance
- Expansion support: Up to 3 x PCIe Gen4 x16 slots, 2 x PCIe Gen4 x8 slots, 4 x Slimline x8 ports, and 1 x OCP 3.0 slot
- Onboard Baseboard Management Controller for advanced system management and IPMI control
- Front-to-back airflow with easy-swap redundant fans for optimal thermal conditions
- Trusted Platform Module (TPM) 2.0 onboard
- Supports 800W / 1200W (1+1) redundant power supply, 80+ Platinum efficiency

## Storage Server

### SPECIFICATIONS

| Model Number | InfiniPlus R2212-i3                                                                                                                                                               |                    |                                                           |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------|
| Processor    | Dual Intel® Xeon® 3 <sup>rd</sup> Gen Scalable Processors (Ice Lake)<br>CPU TDP: 270W                                                                                             |                    |                                                           |
|              | Socket                                                                                                                                                                            | P+ (LGA-4189)      |                                                           |
| Chipset      | Intel® C621A Chipset                                                                                                                                                              |                    |                                                           |
| Memory       | <ul style="list-style-type: none"><li>• 8 x Memory channels per CPU; 16 x DIMM slots</li><li>• DDR4 3200/2933MHz RDIMM/LRDIMM</li><li>• Supports up to 4TB RDIMM/LRDIMM</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>• System Alert</li><li>• LAN Activity</li><li>• System ID</li></ul>                         |                    |                                                           |
| Drive Bays   | External                                                                                                                                                                          | 3.5"/2.5" hot swap | 12 SAS/SATA or 8 SAS/SATA + 4 NVMe or 4 SAS/SATA + 8 NVMe |
|              |                                                                                                                                                                                   | 2.5" hot swap      | 2 (SATA) Rear                                             |
|              | Internal (Onboard)                                                                                                                                                                | M.2                | 2 x M.2 (NGFF) / M-Key/2280                               |

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                               |
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| Expansion Slots              | PCI 4.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>• CPU0: 2 x PCIe Gen4 x16 slots + 1 x OCP v3.0</li> <li>• CPU1: 1 x PCIe Gen4 x16 slot + 2 x PCIe Gen4 x8</li> </ul>   |
|                              | Slimline x8 port                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <ul style="list-style-type: none"> <li>• CPU0: 1 x Slimline x8 Gen4 port</li> <li>• CPU1: 3 x Slimline x8 Gen4 ports</li> </ul>                               |
| Graphics                     | <ul style="list-style-type: none"> <li>• Aspeed AST2500 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• PCIe VGA/2D Controller</li> <li>• Resolution: 1920 × 1200 @ 60Hz, 32bpp</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                               |
| Internal I/O                 | SATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <ul style="list-style-type: none"> <li>• 1 x Slimline x8 for SATA</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>• 1 x GbE RJ45 port for BMC shared NIC management</li> </ul> |
|                              | USB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2 x USB 3.0                                                                                                                                                   |
|                              | Video Output                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1 x external DB-15 VGA port                                                                                                                                   |
|                              | Serial Port                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1 x external COM port jack                                                                                                                                    |
| Security                     | <ul style="list-style-type: none"> <li>• Trusted Platform Module (TPM) 2.0 onboard</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                               |
| Power Supply                 | 800W / 1200W(1+1) CRPS RPSU, 80+ Platinum<br>AC Input: 100~240V, 50/60Hz, 10~5A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                               |
| System Cooling               | 6 x 60 × 38 mm easy 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: temperature, fan, voltage, 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: 26                                                                                                                                                        |
| Dimensions                   | (W x D x H)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | mm: 430 x 680 x 88                                                                                                                                            |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | inches: 17 x 26.8 x 3.5                                                                                                                                       |
| 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 - OCP 3.0 / PCIe 4.0 x8</li> <li>• Dual-Port 1 GbE RJ45 Network Interface Card - PCIe 2.1 x4</li> <li>• Dual-Port 10 GbE RJ45 Network Interface Card - PCIe 3.0 x8</li> <li>• Dual-Port 10 GbE SFP+ Network Interface Card - OCP 3.0 / PCIe 4.0 x8</li> <li>• Quad-Port 10 GbE SFP+ Network Interface Card - OCP 3.0 / PCIe 4.0 x16</li> <li>• Dual-Port 25 GbE Network Interface Card - OCP 3.0 / PCIe 4.0 x8</li> <li>• Quad-Port 25 GbE Network Interface Card - OCP 3.0 / PCIe 4.0 x16</li> <li>• Dual-Port 100 GbE Ethernet Network Adapter - OCP 3.0 / PCIe 4.0 x16</li> <li>• Dual-Port 200 GbE Ethernet Network Adapter</li> <li>• Dual-Port 40 GbE QSFP+ Ethernet Adapter with direct attach cabling support (up to 10 m)</li> <li>• Quad-Port 16 GbE Fibre Channel Adapter - OCP 3.0 / PCIe 4.0 x8</li> <li>• Dual-Port 32 GbE Fibre Channel Adapter - OCP 3.0 / PCIe 4.0 x8</li> </ul> |                                                                                                                                                               |
| Mounting                     | Standard 28" tool-less slide rail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                               |