RESX07-2U22R
22" Deep, Rear I/O Rugged Rack Server

Low-latency, high-throughput rugged rack server

• Dual Intel® 3rd generation Xeon® Scalable processors up to 32 cores
• Designed, tested and manufactured in the U.S.
• Configurable - up to 6 expansion slots that support 3 full-size GPUs
• NVMe storage – up to 8 E1.L SSDs

TECHNICAL SPECIFICATIONS
Dual Intel 3rd generation Xeon Scalable processors
3 UPI links up to 11.2 GT/s
16 DIMM slots, up to 2,048 GB DDR4-3200 MHz
Intel Trusted Execution Technology (TXT) with integrated TPM 2.0

Management and Operating System
Windows, Linux OS
OpenBMC
IPMI 2.0 management

Expansion and Modular Maintainability
Up to 6 expansions slots:
• Slot 1: PCIe gen 4.0 dual-width x16 FHFL, up to 12" w/ RIO
• Slot 2: PCIe gen 4.0 dual-width x16 FHFL, up to 12" w/ RIO (Not available on RESX07-2U22RA)
• Slot 3: PCIe gen 4.0 dual-width x16 FHFL, up to 12" w/ RIO (Not available on RESX07-2U22RA)
• Slot 4: PCIe gen 4.0 single-width x16 HHHL, up to 7.5" w/ RIO
• Slot 5: PCIe gen 4.0 single-width x16 HHHL, x8 electrical, up to 7.5" w/ RIO
• Slot 6: OCP3.0 PCIe gen 4.0 x16 w/ RIO

Up to 8 slim or 4 standard 2.5" SATA/SAS drives (U.2 option available) and 8 E1.L NVMe storage drives
Up to 2 M.2 slots

Power Supply Options
Dual-redundant (1+1) AC and DC power options:
• 1000 W 48 VDC per PSU
• 800 W 28 VDC per PSU
• 1200 W 120 VAC per PSU
• 1600 W 240 VAC per PSU
• 240 VAC per PSU
• MIL-461 options: 2x MIL-STD 750 W 120 VAC, 28 VDC 500 W

Environmental* Rugged Level 1 Standards

Additional Options
Shock pins
Slide rails

Partnering with

Intel Xeon
OpenBMC
NVIDIA Preferred Partner

Innovation That Matters®
mrcy.com
Mechanical

Height: 2U or 3.5” (88.9 mm)

Width: 17” (431.8 mm)

Depth: 22” (558.8 mm) from front to back, 21” (533.4 mm) from ear to back

Weight (Typical)*: 37 lb

19” rackmountable

* Mercury Systems designs all products to meet or exceed listed data sheet specifications. Some specifications including I/O profiles, weight and thermal profiles are configuration dependent. Contact Mercury for information specific to your desired configuration requirements.