

# RESX07-1U21R

## 21" 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
- Configurable - up to 4 expansion slots
- Designed, tested and manufactured in the U.S.
- Storage - up to 8, 2.5" 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 4 expansions slots:

- Slot 1: PCIe gen 4.0 single-width x16 FH, up to 6.8" length w/ RIO
- Slot 2: PCIe gen 4.0 single-width x16 FH, up to 6.8" length w/ RIO
- Slot 3: OCP 3.0 gen 4.0 x16 w/ RIO
- Slot 4: OCP 3.0 gen 4.0 x16 w/ RIO

Up to 8, 2.5" SATA/SAS drives (U.2 option available)  
1 NVMe M.2 slots

### Power Supply Options

Single or Redundant 100/240 V VAC (47/63 Hz, 400 Hz)  
Single or Redundant 10-36 VDC, 32 Amps  
Single or Redundant 36-72 VDC, 18 Amps  
MIL-STD 461

### Environmental\* [Rugged Level 1 Standards](#)

### Additional Options

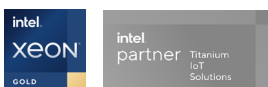
Shock pins  
Slide rails

### Mechanical

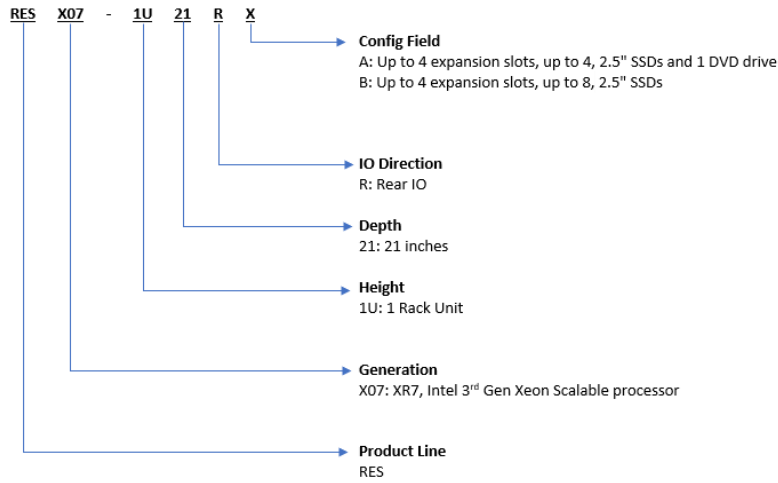
Height: 1U or 1.75" (44.45 mm)  
Width: 17.06" (433.32 mm)  
Depth: 20.73" (526.5 mm) from front to back, 20" (508 mm) from ear to back  
Weight (Typical)\*: 23 lb  
19" rackmountable

\* 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.

Partnering with



Product Naming Chart



RESX07-1U21RA



Front View



Rear View



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