

RESX07-1U22R

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 1 full-size GPU
- 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
(not available on 1U22RB)
- Slot 2: PCIe gen 4.0 dual-width x16 FHHL, up to 7.5" w/ no IO
(only available on 1U22RA)
- Slot 3: PCIe gen 4.0 dual-width x16 FHHL, up to 7.5" w/ FIO
(not available on 1U22RC)
- Slot 4: PCIe gen 4.0 single-width x16 HHHL, up to 7.0" w/ RIO
- Slot 5: PCIe gen 4.0 single-width x8 HHHL, 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 drives (U.2 option available) or 8 E1.L NVMe storage drives

Up to 2 M.2 slots

Power Supply Options

Non-redundant AC power option:

- 1000 W 120 VAC

Environmental*

[Rugged Level 1 Standards](#)

(EXCEPTION: CE-102 not supported)

Additional Options

Shock pins

Slide rails

Mechanical

Height: 1U or 1.75" (44.45 mm)

Width: 17.36" (440.9 mm)

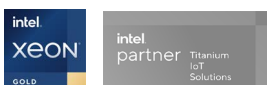
Depth: 22" (558.8 mm) from front to back, 21" (533.4 mm) from ear to back

Weight (Typical)*: 27 lb

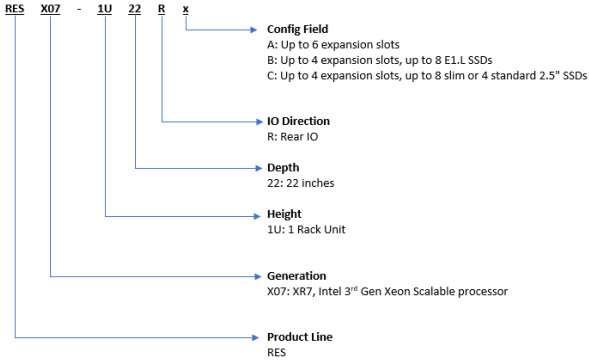
19" rackmountable

*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



RESX07-1U22RA



Front View



Rear View

RESX07-1U22RB



Front View



Rear View



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