mercury

RESX07-1U17R
17" Deep, Rear I/O Rugged Rack Server

Low-latency,
high-throughput
rugged rack server

- Single Intel® 3rd generation Xeon® Scalable processor up to 32 cores
- Designed, tested and manufactured in the U.S.

- Configurable – up to 3 expansion slots
- NVMe storage — up to 4, 2.5" NVMe SSDs

TECHNICAL SPECIFICATIONS

Single Intel 3rd generation Xeon Scalable processor

8 DIMM slots, supporting DDR4-3200 MHz

Intel Trusted Execution Technology (TXT) with integrated TPM 2.0

Management and Operating System

Windows, Linux OS

IPMI 2.0 management

VMware support

Expansion and Modular Maintainability

Up to 3 PCIe expansions slots

- Slot 1: PCIe gen 4.0 single-width x16 FHFL, up to 9"
- Slot 2: PCIe gen 4.0 single-width x16 FHFL, up to 9"
- Slot 3: PCIe gen 4.0 single-width x16 HHHL, up to 6.6"

Up to 4 slim NVMe drives or 4 slim SATA drives

1 NVMe M.2 slot

Power Supply Options

Single or Redundant 100/240V 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

Slide rails

Mechanical
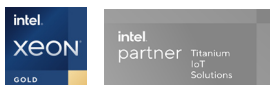
Height: 1U or 1.75" (44.45 mm)

Width: 17" (431.8 mm)

Depth: 16.98" (431.3 mm) from front to back, 16.74" (425.2 mm) from ear to back
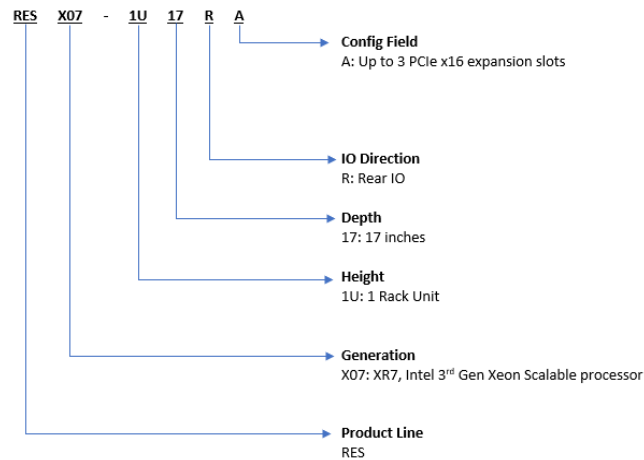
Weight (Typical)*: 18 lb

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.
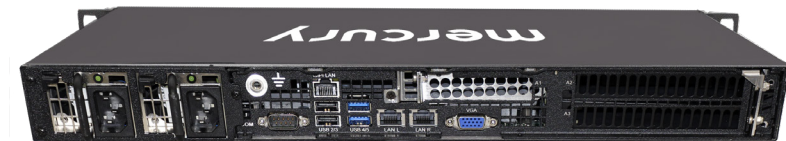
Partnering with

intel XEON GOLD

intel partner   Titanium IoT Solutions

NVIDIA   PREFERRED PARTNER

Product Naming Chart

RES **X07** - **1U** **17** **R** **A**

Config Field
A: Up to 3 PCIe x16 expansion slots

IO Direction
R: Rear IO

Depth
17: 17 inches

Height
1U: 1 Rack Unit

Generation
X07: XR7, Intel 3rd Gen Xeon Scalable processor

Product Line
RES

RESX07-1U17RA

Front View

Rear View

mercury

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