

# RESX07-1U18F

## 18" Deep, Front I/O Rugged Rack Server

Low-latency,  
high-throughput  
rugged rack server

- Dual Intel® 3rd generation Xeon® Scalable processors up to 36 cores
- Designed, tested and manufactured in the U.S.
- Configurable - up to 4 expansion slots
- Memory - up to 16 DIMM slots



### 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

Contact factory for 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/ FIO
- Slot 2: PCIe gen 4.0 single-width x16 FH, up to 6.8" length w/ FIO
- Slot 3: OCP 3.0 gen 4.0 x16 w/ FIO
- Slot 4: OCP 3.0 gen 4.0 x16 w/ FIO

Up to 2 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\*

#### Operating

Temperature: 0°C to 50°C, configuration dependent

Humidity: 5% - 90%, up to 50°C, non-condensing

Shock: 3 axis, 35 g, 25 ms

Vibration: 4.7 Grms vertical, 4.5 Grms longitudinal, 5 Hz to 2000 Hz

#### Non-Operating

Temperature: -40°C to 70°C, configuration dependent

Humidity: 5% to 90%, up to 50°C, non-condensing

### Additional Options

Shock pins

Slide rails

Cable accessories

Partnering with



**Mechanical**

Height: 1U or 1.75" (44.45 mm)

Width: 17.06" (433.32 mm)

Depth: 18" (457.2 mm) from front to back

Weight (Typical)\*: 23 lb

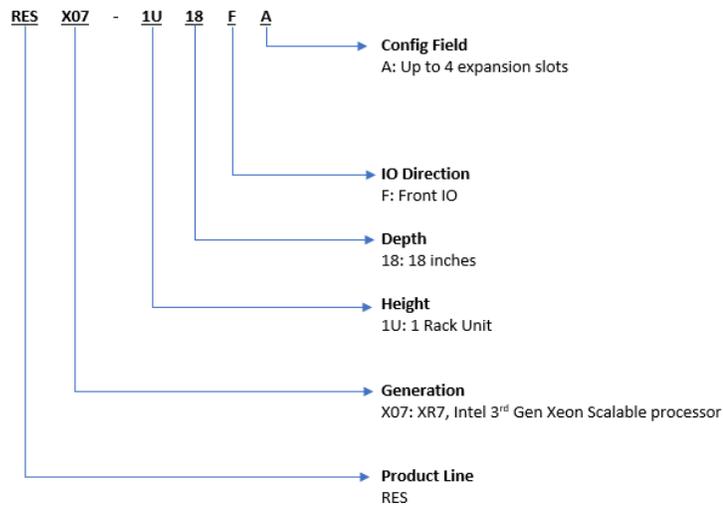
19" rackmountable

\* 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.



Front View

**Product Naming Chart**



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