

# RES Trust XR5 2U *BuiltSECURE™*

*20" Deep, 4 Drive, Rear I/O Rugged Rackmount Server*

- **RoT enforced boot and configuration management**
- **Cyber-resilient BIOS, composable security features**
- **Dual Intel® Xeon® E5-2600 v4 processors up to 14 cores**
- **Field-proven, approved design**
- **Compliant with commercial and defense environmental resilience standards**
- **Designed, tested and manufactured in the U.S.**



## Technical Specifications

Dual Intel® Xeon® E5-2600 v4 processors; SKU options:

E5-2618L v4 (10 core, 2.2 GHz, 75 W)

E5-2648L v4 (14 core, 1.8 GHz, 75 W)

2 QPI up to 8 GT/s

Up to 128 GB DDR4 up to 2400 MHz memory

Intel® Trusted Execution Technology (TXT) with integrated TPM 2.0

## Management and Operating System

BIOS: Mercury-specialized and supported

Cyber-resilient baseboard management controller

Red Hat® Enterprise Linux® v7 support

Secure hypervisor and Linux options

## BuiltSECURE™ Embedded Framework

Built-in composable security feature set options

## Expansion and Modular Maintainability

Up to 5 PCIe 3.0 cards:

A1 – x16/x8 full-height/ full-length

A2 – x8 electrical (x16 mechanical) full-height/ full-length

A3 – x0/x8 (x16 mechanical) half-height/ half-length

A4 – x16 full-height/ full-length

A5 – x8 electrical (x16 mechanical) full-height/ full-length

5 fixed fans

## Power Supply Options

Redundant 750 W AC power supply 90-264 VAC (47/63 Hz, 8-4 Amps)

## Environmental\*

### Operating

Temperature\*\*\*: 0°C to 50°C, configuration dependent per MIL-STD-810H, Methods 501.5 and 502.5

Altitude: 0 ft - 12,500 ft per MIL-STD-810H, Method 500.5, Procedure I

Humidity: 5% to 95% (non-condensing)

Shock: 3 axis, 20 g, 11 ms 1/2 sine pulse per MIL-STD-810H, Method 516.8, Procedure I

Vibration: Per MIL-STD-167-1A, Type 1

### Non-Operating

Temperature: -40°C to 70°C

Humidity: 5% to 95% (non-condensing)

Altitude: 0 ft - 30,000 ft per MIL-STD-810H, Method 500.5, Procedure I

Random Vibration: 4.67 Grms vertical, 4.5 Grms longitudinal/lateral 5 Hz to 2000 Hz per MIL-STD-810H, Method 514.8, Procedure I

Composite profile of category 4 (Composite Wheeled Vehicle) and Category 7 (C-17)

## Additional Options

Shock pins

Front door filter

Compatible slide rails and brackets/ shelf system

Cable accessories

Tamper-evidence features

## Mechanical

Height: 2U or 3.5" (88.9 mm)

Width: 17" (433.3 mm)

Depth: 20" (508 mm)

Weight (Typical)\*: 33.7 lb (15.3 kg)

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.

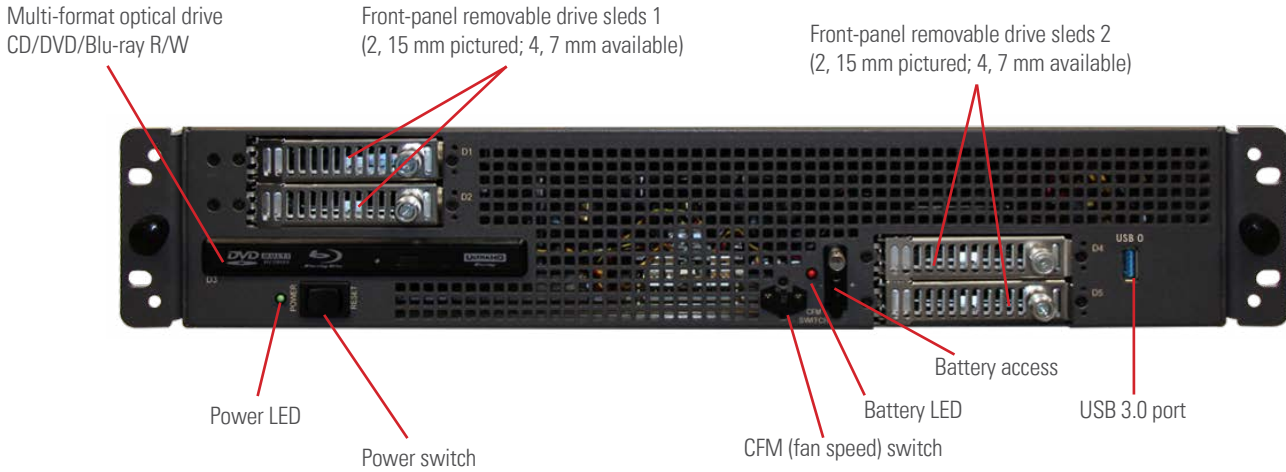
\*\* To reach temperatures above 40°C, additional measures may need to be implemented such as throttling or enhanced airflow.

## Custom Expertise

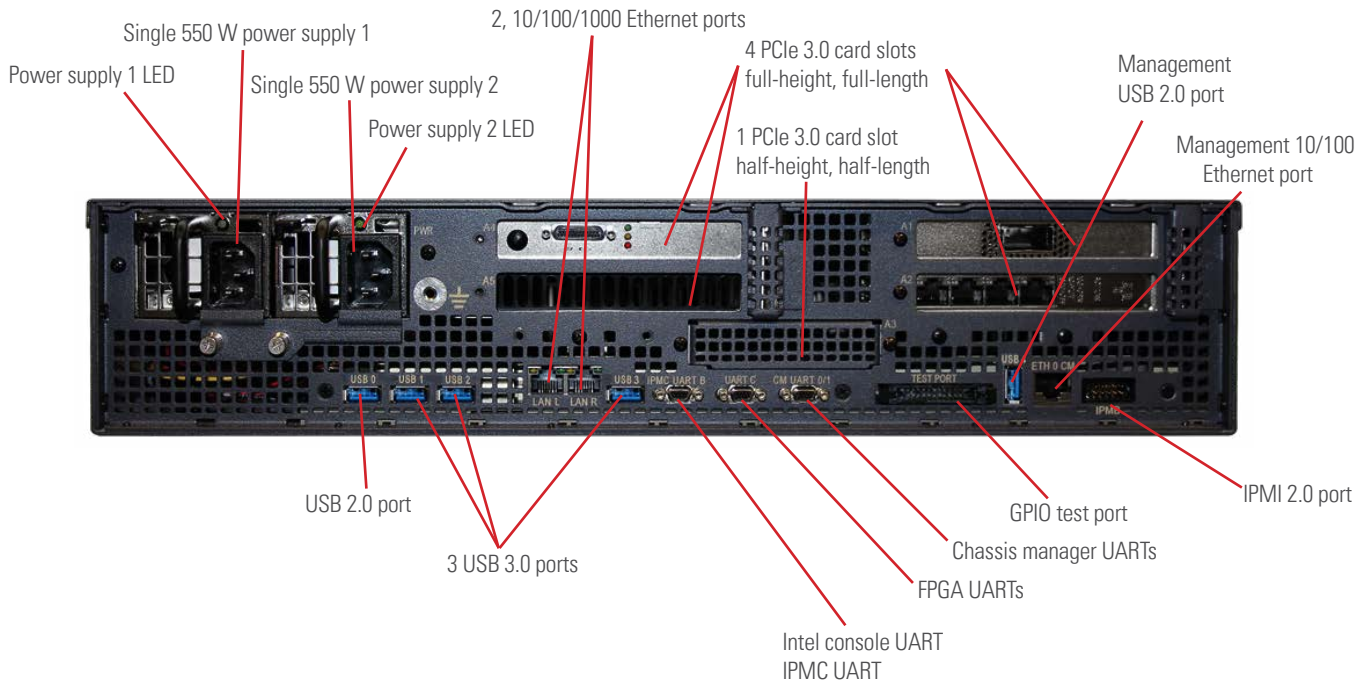
For tailor-made systems with specific security and environmental requirements, email [sales@mrscy.com](mailto:sales@mrscy.com)

## Input/Output Versatility

### Front View



### Rear View



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