DATASHEET

RES-XR6 Alliance 2U

21.5" Deep, Rear I/O Rugged Rackmount Server

- **Up to 2 Intel Xeon Scalable Processors with 28 cores**
- **Up to 6TB DDR4 ECC Memory**
- **Up to 5 PCIe 3.0 cards**
- **MIL-STD: 810G, 901D, 167-1**

Technical Specifications

Up to 2 Intel® Xeon® Scalable 8100/8200, 6100/6200, 5100/5200, 4100/4200, and 3100/3200 series processors

Up to 6TB addressable memory per processor socket

24 DIMM slots

Management and Operating System

iLO 5 Management Port

Windows Server 2019: Essentials, Standard, Data Center

Windows Server 2016: Essentials, Standard, Data Center

Windows Server 2012 R2: Essentials, Standard

Data Center Microsoft Hyper-V Server: 2012 R2, 2016 & 2019

VMware vSphere 6.0 U3, 6.5 U2 and 6.7 U1

ClearVM: 7.6 & 8.0

Red Hat Enterprise Linux (RHEL) 7.6 w/ Kbase

SUSE Linux Enterprise Server (SLES) 12 SP4 and 15 SP1 (includes Xen)

Expansion and Modular Maintainability

Up to 8 2.5" Hot Pluggable HDD

Redundant Hot Pluggable Power Supplies

Environmental*

Operating

- Temperature: 0°C to 50°C
- Extended Temperature: 5°C to 95°C
- Humidity: 8% to 95% (non-condensing)
- Shock: 3 axis, 35g, 25ms
- Vibration: 4.76Grms, 10Hz to 2000 Hz (SSD)

Non-Operating

- Temperature: -30°C to 60°C
- Humidity: 5% to 95% (non-condensing)

Additional Options

Slide Rails

Air Filters

Mechanical

Height: 2U or 3.5 inches (88.9mm)

Width: 17 inches (431.8mm)

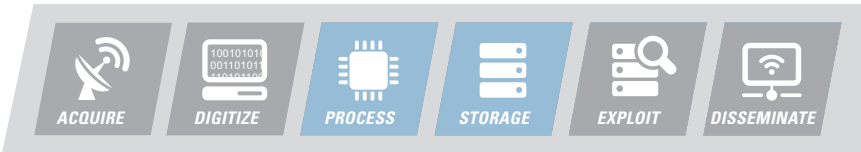
Depth: 21.5 inches (546.1mm)

Weight (Typical)*: 18 pounds (8.16kg)

19" rackmount

* 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.

Mercury Systems is a leading commercial provider of secure sensor and safety-critical processing subsystems. Optimized for customer and mission success, Mercury's solutions power a wide variety of critical defense and intelligence programs.



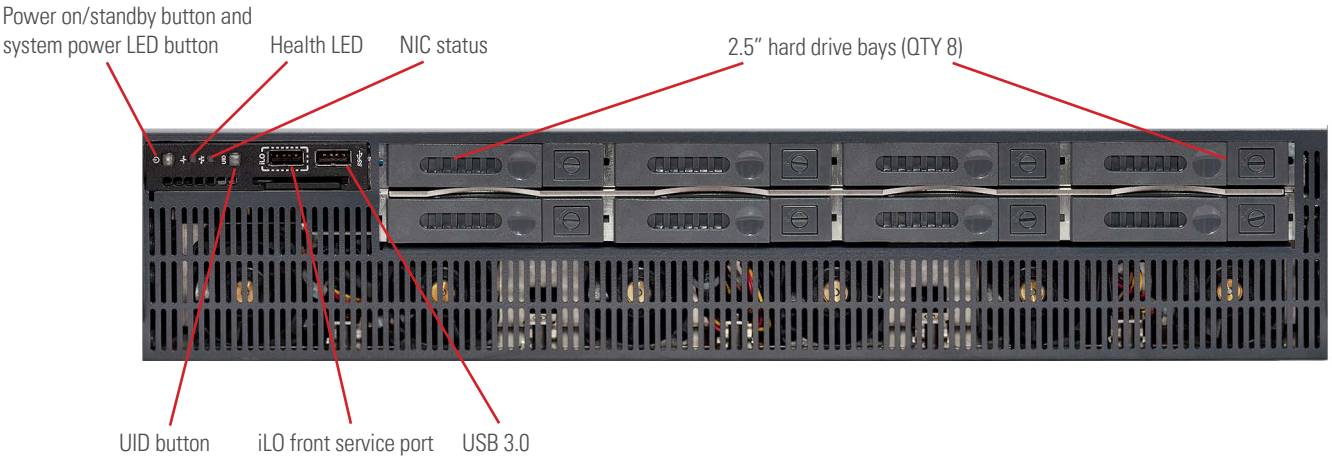
www.mrcy.com/servers

Custom Expertise

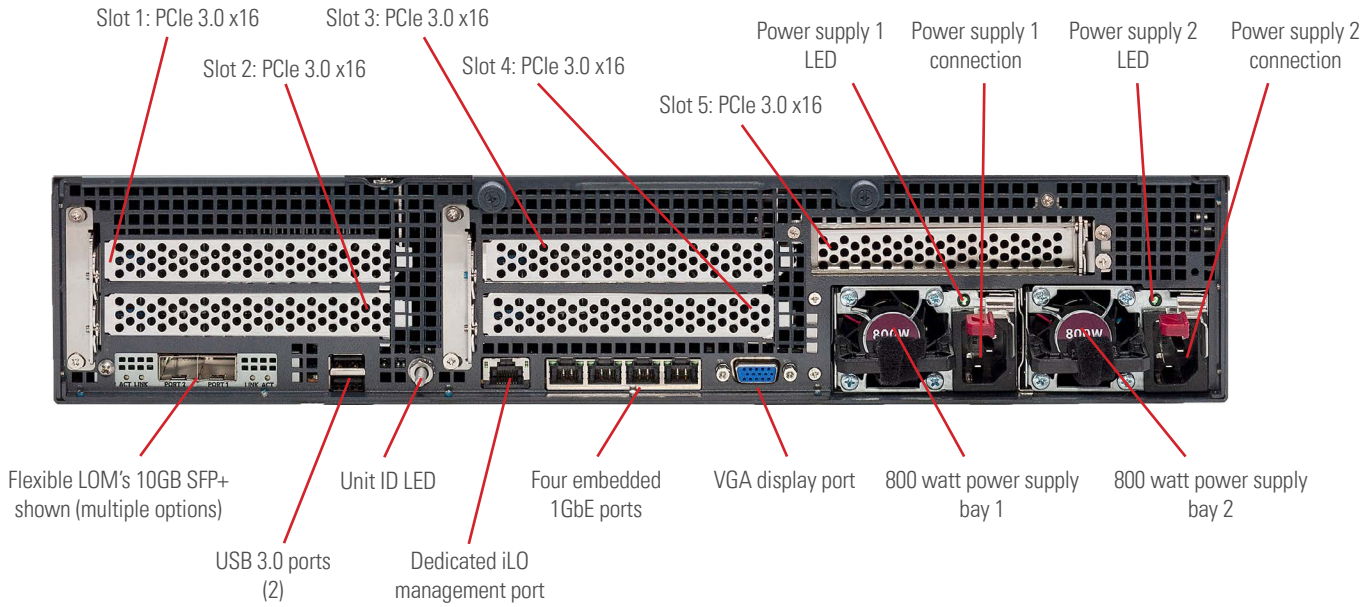
For tailor-made systems with specific security and environmental requirements, email **tms@mrcy.com**

Input/Output Versatility

Front View



Rear View



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