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 Processors with 28 cores
- 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 5 PCIe 3.0 x16 Full Length Full Height (FLFH)
- Redundant Hot Pluggable Power Supplies

Power Supply Options
- Single or Redundant 100/240 VAC, 800W
- Single or Redundant 48 VDC, 800W

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

Input/Output Versatility

Front View

2.5" hard drive bays (QTY 8)

Rear View

Slot 1: PCIe 3.0 x16
Slot 2: PCIe 3.0 x16
Slot 3: PCIe 3.0 x16
Slot 4: PCIe 3.0 x16
Slot 5: PCIe 3.0 x16