RES Trust XR5 1U *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, 2.2G Hz, 75 W)
  - E5-2648L v4 (14 core, 1.8G Hz, 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 2 PCIe 3.0 x16 cards, half-height half-length
- 3 fixed fans

**Power Supply Options**

- Single 550 W AC power supply 90-264 VAC (47/63 Hz, 8-4 Amps)

**Environmental**

**Operating**

- Temperature: 0°C to 50°C, configuration dependent
- Humidity: 5% to 95% (non-condensing)
- Shock: 3 axis, 35 g, 25 ms
- Vibration: 4.76 G rms, 4 Hz to 2000 Hz (SSD)

**Non-Operating**

- Temperature: -40°C to 75°C
- Humidity: 5% to 95% (non-condensing)

**Additional Options**

- Shock pins
- Front door filter
- Compatible slide rails and brackets/shelf system
- Cable accessories
- Tamper-evidence features

**Mechanical**

- Height: 1U or 1.75” (44.45 mm)
- Width: 17” (433.3 mm)
- Depth: 20” (508 mm)
- Weight (Typical)*: 26.3 lb (11.9 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.

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 servers@mrcy.com

Input/Output Versatility

Front View

Rear View

Multi-format optical drive CD/DVD/Blu-ray R/W
Battery LED
Battery access
USB 3.0 port
Front-panel removable drive sleds (4, 7 mm pictured; 2, 15 mm available)

Power LED
Power switch
CFM (fan speed) switch

Power supply LED
Single 550 W power supply

2 PCIe 3.0 x16 card slots half-height, half-length
Management USB 2.0 port
Management 10/100 Ethernet port

2, 10/100/1000 Ethernet ports
Intel console UART
IPMC UART

3 USB 3.0 ports
USB 2.0 port
IPMI 2.0 port
GPIO test port
Chassis manager UARTs
FPGA UARTs

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