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
- Humidity: 5% to 95% (non-condensing)
- Shock: 3 axis, 35 g, 25 ms
- Vibration: 4.76 Grms, 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: 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 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

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### Input/Output Versatility

#### Front View

- Multi-format optical drive: CD/DVD/Blu-ray R/W
- Front-panel removable drive sleds 1 (2, 15 mm pictured; 4, 7 mm available)
- Front-panel removable drive sleds 2 (2, 15 mm pictured; 4, 7 mm available)
- Power LED
- Power switch
- CFM (fan speed) switch
- Battery access
- USB 3.0 port

#### Rear View

- Single 550 W power supply 1
- Single 550 W power supply 2
- Power supply 1 LED
- Power supply 2 LED
- 2, 10/100/1000 Ethernet ports
- 4 PCIe 3.0 card slots full-height, full-length
- 1 PCIe 3.0 card slot half-height, half-length
- USB 2.0 port
- USB 3.0 ports
- GPIO test port
- IPMI 2.0 port
- Management USB 2.0 port
- Management 10/100 Ethernet port
- FPGA UARTs
- Chassis manager UARTs
- IPMI UART
- Intel console UART

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