RES Trust XR6 1U BuiltSECURE™

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

Technical Specifications
Dual Intel® Xeon® Scalable processors; SKU options:
Gold 6238T (22 core, 1.9 GHz, 125 W)
3 UPI links up to 10.4 GT/s
192 GB DDR4-2400 MHz or higher memory (growth up to 768 GB)
Intel® Trusted Execution Technology (TXT) with integrated TPM 2.0

Management and Operating System
BIOS: Mercury-specialized and supported
IPMI 2.0 management; optional remote management module
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 x16 PCIe cards, Gen 3.0, full-height, half-length
8 internal hotplug-capable SATA 3 ports (one consumed by optional optical drive)
SAS3, U.2 NVMe storage with RAID option available via PCIe
3 fixed fans (2-piece cover facilitates replacement in-situ)

Power Supply Options
Single 550 W power supply 90-264 VAC (47/63 Hz)

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
Slide Rails/Brackets / Shelf System
Cable Accessories
Tamper-Evidence Features

Mechanical
Height: 1U or 1.75” (44.45 mm)
Width: 17.2” (436.9 mm)
Depth: 20” (508 mm)
Weight (Typical)*: 26.5 lb (12 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.
**Input/Output Versatility**

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

**Rear View**
- Single 550 W power supply
- Power supply LED
- 2 PCIe 3.0 x16 card slots full-height, half-length
- GPIO test port
- Management 10/100 Ethernet port
- FPGA Ethernet port
- Management USB 2.0 port
- IPMI 2.0 port
- Management USB UART
- Chassis manager UARTs
- IPM 2.0 port
- FPGA UARTs
- Intel console UART
- IPMC UART
- 4 USB 3.0 ports
- 4 10 GbE ports
- VGA port
- 4 USB 3.0 ports
- 10/100 Ethernet port
- FPGA Ethernet port
- 2 PCIe 3.0 x16 card slots full-height, half-length

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