RES Trust XR6 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 Gold 6238T Scalable processors up to 22 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® Scalable processors; SKU options:
Gold 6238T (22 core, 1.9 GHz, 125 W)
3UPI 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 8 PCIe cards, Gen 3.0
PCIe riser B & C designed for two dual-slot GPU cards

<table>
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<tr>
<th>Riser C</th>
<th>Riser B</th>
<th>Riser A</th>
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<tr>
<td>Full-height, Half-length, Inverted</td>
<td>Full-height, Half-length</td>
<td>Full-height, Half-length</td>
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<tr>
<td>x8, CPU0</td>
<td>x16, CPU1</td>
<td>x8, PCH</td>
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<td>x16, CPU0/x0</td>
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<td>x8, CPU1</td>
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8 internal SATA 3 ports (one consumed by optional optical drive)
SAS3, U.2 NVMe storage with RAID option available via PCIe
5 fixed fans (2-piece cover facilitates replacement in-situ)

Power Supply Options
Redundant, hot-swappable 750 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 axes, 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: 2U or 3.5” (88.9 mm)
- Width: 17.2” (436.9 mm)
- Depth: 20” (508 mm)
- Weight (Typical)*: 34 lb (15.4 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.

Mercy 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