

# 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)

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 8 PCIe cards, Gen 3.0

PCIe riser B & C designed for two dual-slot GPU cards

| Riser C                            | Riser B,                 | Riser A,                 |
|------------------------------------|--------------------------|--------------------------|
| Full-height, Half-length, Inverted | Full-height, Half-length | Half-height, Half-length |
| x8, CPU0                           | x16, CPU1                | x8, PCH                  |
| x16, CPU0/x0                       | x8, CPU1                 | x8, CPU1                 |
| x16, CPU0                          | x16, CPU1                |                          |

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 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: 2U or 3.5" (88.9 mm)

Width: 17.2" (436.9 mm)

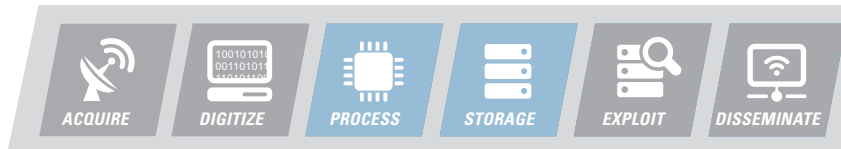
Depth: 20" (508 mm)

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.

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.

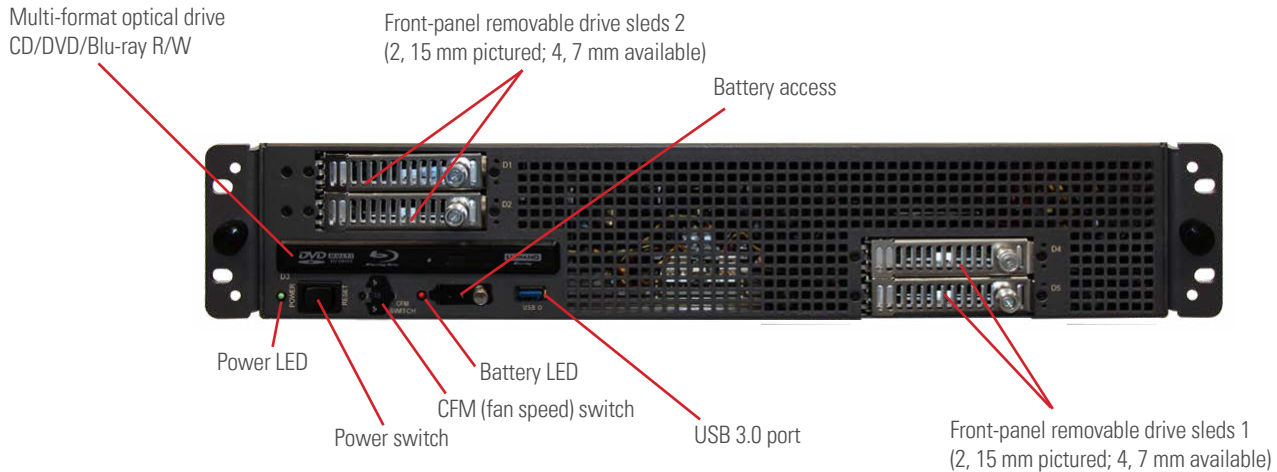


## Custom Expertise

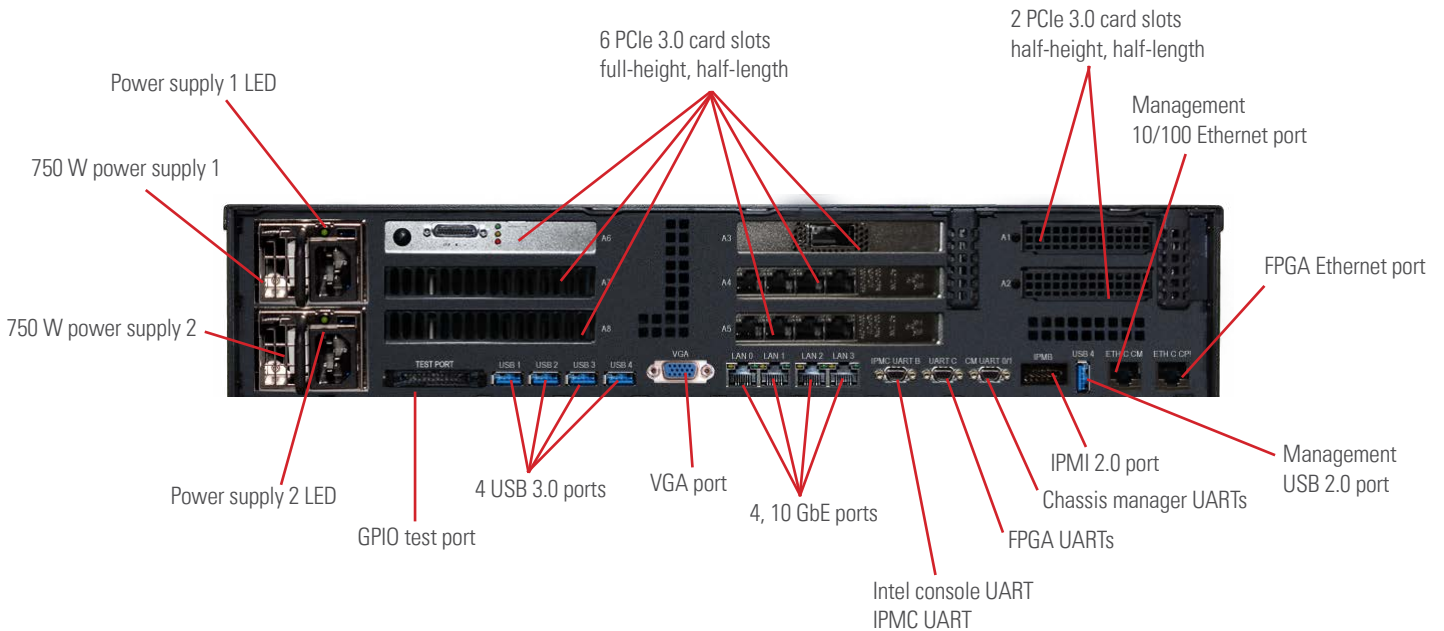
For tailor-made systems with specific security and environmental requirements, email [servers@rcy.com](mailto:servers@rcy.com)

## Input/Output Versatility

### Front View



### Rear View



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