

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)

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.

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 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.



ACQUIRE



DIGITIZE



PROCESS



STORAGE



EXPLOIT



DISSEMINATE

Custom Expertise

For tailor-made systems with specific security and environmental requirements, email servers@rcy.com

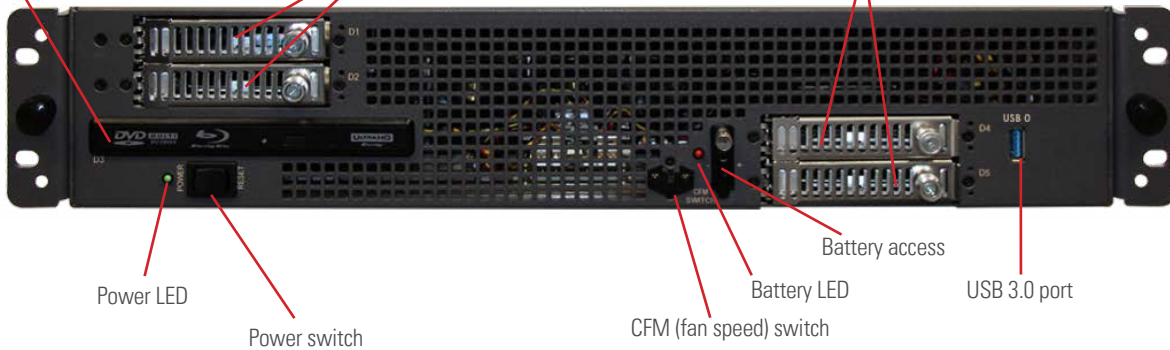
Input/Output Versatility

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)



Rear View

Single 550 W power supply 1

2, 10/100/1000 Ethernet ports

Power supply 1 LED

Single 550 W power supply 2

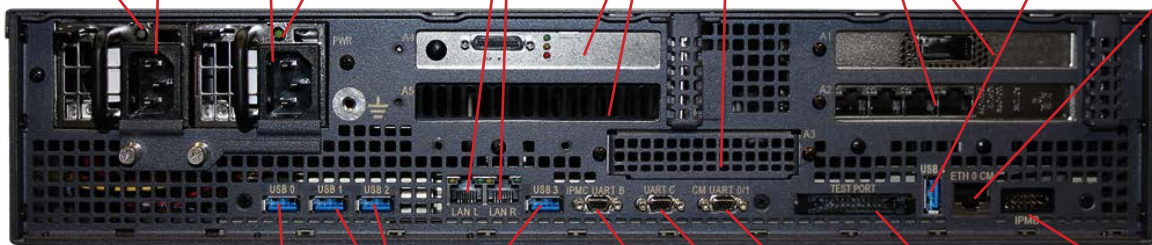
Power supply 2 LED

4 PCIe 3.0 card slots
full-height, full-length

1 PCIe 3.0 card slot
half-height, half-length

Management
USB 2.0 port

Management 10/100
Ethernet port



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MERCURY SYSTEMS

50 Minuteman Road • Andover, MA 01810 USA
(978) 967-1401 • Fax (978) 967-3330

MERCURY SYSTEMS INTERNATIONAL

Regus Center, 26 Avenue Jean Kuntzmann
Montbonnot • 38330 France
+33 608 419949