

**TRENTON
SYSTEMS**
Rugged Computers

RSC2403
JBOD Storage



24 NVMe DRIVES IN A 2U, 16.2" DEEP RUGGED CHASSIS

27GB/s read/write speeds & as much local storage today's SSDs can handle

Read/Write to 8 drives **SIMULTANEOUSLY**

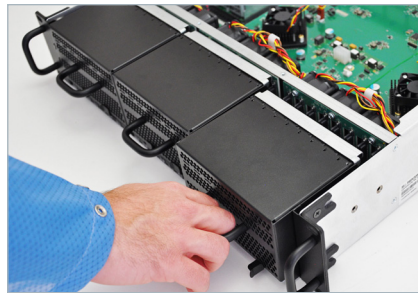
Native end-to-end PCIe paths to the CPUs. Ideal setup when a lot of data is needed very quickly. Talk about low latency!

PRODUCT DETAILS



Short-depth & Lightweight

Much lighter yet more rugged than any solution on the market. SWaP optimized for field-deployment.



Tool-less Easy Swap

Replace & secure your drives lightning fast with drive magazines that hold 8 drives at once.



Processor Board Agnostic

Flexible & interchangeable SBCs unlike a standard JBOD system. Don't get locked into your supplier's motherboard.



www.trentonsystems.com

Visit our website for more info.

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Model Number

RSC2403

Rack Height

2U

Max Drives

- 24 x U.2 NVMe - up to 15mm height
(3 drive magazines (8 SSDs in each) for fast MTTR - *individual drives are removable from the magazines*)
- Each drive comes with a full x4 Gen3 uplink to a switch
- 25W per drive

Drive Interface

U.2 SFF-8639

LED Indicators

Drive LEDs - Fault | Locate | Activity

Host Interface

Industry standard x16 PCIe Gen3 Uplink Card

PCIe Switch Board

- 2 x PEX 9765 each supporting two PCIe Gen3 8x uplinks
- Supports 1+1 host failover in both transparent and non-transparent modes
- Operational configuration controllable via integrated baseband controller

Power Supply

900W AC/DC - Removable

I/O Capability**Rear:**

- 8 x SFF-8644 connectors (32 total lanes)
- 2 GbE Ethernet 10/100/1000 (management)
- 4x DIP switches for high-availability/high-performance configuration purposes

System Cooling

- 9 x 40mm fans
- 3 fan modules per magazine - attached to the chassis, front-to-rear system cooling
- Fan speed control via system management interface

Environmental

- Operating Temperature: 0 to 45°C
- Humidity: 5 to 90%, non-condensing
- Operating Altitude: 10,000ft
- Shock & Vibe: 20G Shock, 1GRMS Vibration

Dimensions

19.0" (W) 3.5" (H) x 16.2" (D)

48.26cm (W) 8.89cm (H) x 41.15cm (D)

Weight

20-25lbs. (without drives)

Compliance Standards

RoHS Certified (additional certifications pending)



BLOCK DIAGRAM

JBOF STORAGE

