TRENTON SYSTEMS
Rugged Computers

5 year WARRANTY

MADE IN THE USA

RSC2424
JBOD Storage

24 NVMᴇ 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 all 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 the flip of a button.

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.

Phone: (770) 287-3100
Email: sales@trentonsystems.com

Model Number

RSC2424

Rack Height

2U

Max Drives

- 24 x U.2 NVMe - up to 15mm height
- 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)
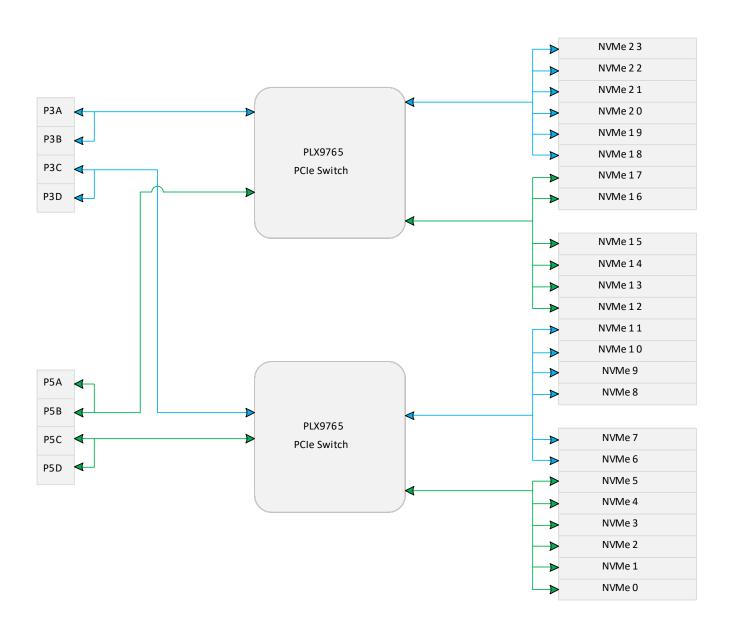
Weight

20-25lbs. (without drives)

Compliance Standards

RoHS Certified (additional certifications pending)

P3A

P3B

P3C

P3D

P5A

P5B

P5C

P5D

PLX9765
PCIe Switch

PLX9765
PCIe Switch

NVMe 2 3

NVMe 2 2

NVMe 2 1

NVMe 2 0

NVMe 1 9

NVMe 1 8

NVMe 1 7

NVMe 1 6

NVMe 1 5

NVMe 1 4

NVMe 1 3

NVMe 1 2

NVMe 1 1

NVMe 1 0

NVMe 9

NVMe 8

NVMe 7

NVMe 6

NVMe 5

NVMe 4

NVMe 3

NVMe 2

NVMe 1

NVMe 0

TRENTON SYSTEMS®