RDR THEMIS50

Rugged. MIL-STD 810. Designed 50Gbps & Ready

Removable Storage

Up to 120TB, NVMe TCG® Opal SSC Encryption-Ready Drives (SEDs)

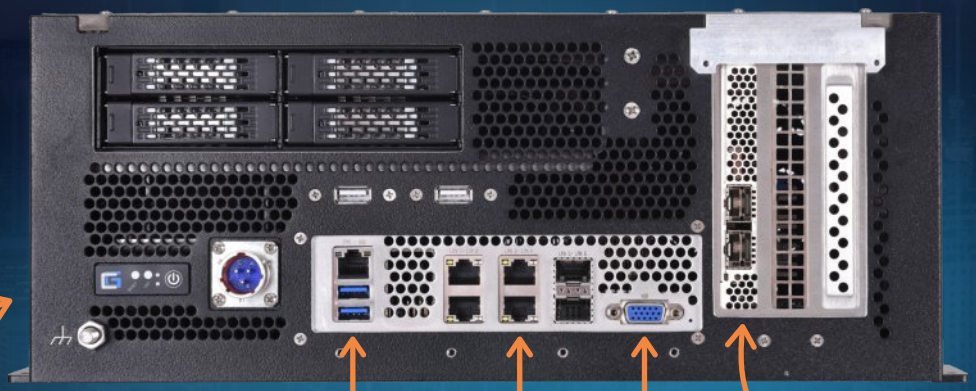
Weight

7.7kg (17lbs)



Power

28VDC, 500 Watts
(Optional 120/240 VAC)



Size

Width	36.8cm (14.5in)
Height	15.2cm (6in)
Depth	24.1cm (9.5in)

IPMI/USB 3.0

Data Offload Ports

VGA

Capture & Replay Ports

SFP+	10GbE
SFP28	25GbE
QSFP+	40GbE

daqscribe

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The Ethernet Recorder Company



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Specification	Description
Hardware Time Stamp	• Resolution: 4 ns, Stratum 3 compliant TCX • Time formats: PCAP-ns/-us, UNIX 10 ns, 1 ns
Timing/Synchronization	• OS time synchronization • SMA interface for PPS (optional) • RJ45 100/1000BASE-T interface for IEEE 1588 PTP and SyncE support (optional)
Data Format	• PCAP or NTCAP format (capture/record only) • API & example C code for data parsing and extraction
In-line FPGA Data Processing (Optional Features)	• Real-time FPGA in-line packet filtering • Packet Filtering based on Layer2, Layer3, and Layer4 criteria • Merging traffic from all ports into one stream • Slicing at fixed or dynamic offset • Traffic retransmission from one port to another while capturing
Storage Options	• Removable High endurance Enterprise NVMe solid state drives • Storage capacity from 4TB to 240TB • Additional storage drive pack option available
CPU & Memory	• Intel Xeon SoC: 4 cores to 16 cores • System memory from 32GB to 256GB
Peripherals	• 2xUSB3.0, 1 xVGA DSUB15 port (1920x1080 resolution) • 1xGbE RJ45 dedicated for IPMI
Data Offload Options	• 1 GbE: 4 ports RJ45 • 10GbE/25GbE: 2 ports SFP+/SFP28
Environmental Standards	• MIL-STD-810 & DO-160 (compliant) • MIL-STD-810, Operational Temperature: -40°C to +60°C • MIL-STD-810, Vibration, Method 514, Procedure I: 5.5G, 10-2000Hz, 60 min/axis, 3 axes • MIL-STD-810, Storage, Method 501, Procedure I/II: -40°C to +85°C • MIL-STD-810, Shock, Method 516, Procedures I/V: 20g, 11msec – functional shock; 40g, • 11msec – crash hazard shock • MIL-STD-810, Altitude, Method 500: 12,500ft operation, 40,000ft transport
System Cooling	• Three high reliability 92mm PWM cooling fans
Mounting	• Tray or bulkhead mounted using ears supplied

Platform Speed Options	Link Options	Storage Options
20Gbps 40Gbps 50Gbps	SFP+ (10GbE) SFP28 (25GbE) QSFP+ (40GbE)	4TB, 8TB, 15TB, 30TB, 60TB, 120TB, 240TB