

RDR THEMIS50

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

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



Specification	Description
Hardware Time Stamp	<ul style="list-style-type: none"> Resolution: 4 ns, Stratum 3 compliant TCX Time formats: PCAP-ns/-us, UNIX 10 ns, 1 ns
Timing/Synchronization	<ul style="list-style-type: none"> OS time synchronization SMA interface for PPS (optional) RJ45 100/1000BASE-T interface for IEEE 1588 PTP and SyncE support (optional)
Data Format	<ul style="list-style-type: none"> PCAP or NTCAP format (capture/record only) API & example C code for data parsing and extraction
In-line FPGA Data Processing (Optional Features)	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Removable High endurance Enterprise NVMe solid state drives Storage capacity from 7TB to 120TB Additional storage drive pack option available
CPU & Memory	<ul style="list-style-type: none"> Intel Xeon SoC: 4 cores to 16 cores System memory from 32GB to 256GB
Peripherals	<ul style="list-style-type: none"> 2xUSB3.0, 1 xVGA DSUB15 port (1920x1080 resolution) 1xGbE RJ45 dedicated for IPMI
Data Offload Options	<ul style="list-style-type: none"> 1 GbE: 4 ports RJ45 10GbE/25GbE: 2 ports SFP+/SFP28
Environmental Standards	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Three high reliability 92mm PWM cooling fans
Mounting	<ul style="list-style-type: none"> Tray or bulkhead mounted using ears supplied

Platform Speed Options	Link Options	Storage Options
20Gbps	SFP+ (10GbE)	7TB
40Gbps	SFP28 (25GbE)	15TB
50Gbps	QSFP+ (40GbE)	30TB
		60TB
		120TB

