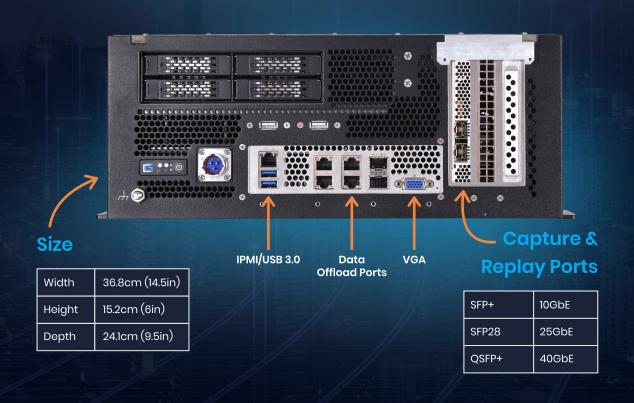
## **RDR THEMIS**50

Rugged. 810. 50Gbps & Ready











## **RDR THEMIS**50

## **Specification** Description • Resolution: 4 ns, Stratum 3 compliant TCX **Hardware Time Stamp** • Time formats: PCAP-ns/-us, UNIX 10 ns, 1 ns • OS time synchronization Timing/Synchronization • SMA interface for PPS (optional) • RJ45 100/1000BASE-T interface for IEEE 1588 PTP and SyncE support (optional) PCAP or NTCAP format (capture/record only) **Data Format** • API & example C code for data parsing and extraction • Real-time FPGA in-line packet filtering • Packet Filtering based on Layer2, Layer3, and Layer4 criteria **In-line FPGA Data Processing** • Merging traffic from all ports into one stream (Optional Features) • Slicing at fixed or dynamic offset • Traffic retransmission from one port to another while capturing • Removable High endurance Enterprise NVMe solid state drives **Storage Options** • Storage capacity from 7TB to 120TB • Additional storage drive pack option available • Intel Xeon SoC: 4 cores to 16 cores **CPU & Memory** • System memory from 32GB to 256GB • 2xUSB3.0, 1 xVGA DSUB15 port (1920x1080 resolution) **Peripherals** • 1xGbE RJ45 dedicated for IPMI • 1 GbE: 4 ports RJ45 **Data Offload Options** • 10GbE/25GbE: 2 ports SFP+/SFP28 • 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 **Environmental Standards** 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 • Tray or bulkhead mounted using ears supplied Mounting

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

