

XDR5100 TITAN

Removable Storage

Up to 360TB, High endurance Enterprise NVMe Solid State Drives

Thermal

Cold boot-up from -20°C
Conduction Cooled

Capture & Replay Ports

SFP+	10GbE
SFP28	25GbE
QSFP+	40GbE
QSFP28	100GbE



Size (Footprint)

Width	25.4cm (10in)
Height	25.4cm (10in)
Depth	50.8cm (20in)

Weight
18.1kg (40lbs)

Power

28VDC, 350W (nominal)
D38999 Connector



MIL-STD

810 and **Ready** for the Extreme

Designed

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Specification	Description
Hardware Time Stamp	<ul style="list-style-type: none"> Resolution: 1 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
CPU & Memory	<ul style="list-style-type: none"> AMD EPYC: 16 cores System memory: 128GB DDR4 ECC registered
Storage Options	<ul style="list-style-type: none"> High endurance Enterprise NVMe solid state drive Storage capacity 15TB to 360TB Removable storage drives
Environmental Standards	<ul style="list-style-type: none"> Operational Temperature: -54°C to +55°C Humidity: 100% Altitude: 35,000ft operation Designed to meet MIL-STD 810
Peripherals	<ul style="list-style-type: none"> D38999 20FD97PA: 79-pin multi-connector I/O 1xVGA DSUB15 port 1 Port GbE RJ45 dedicated for IPMI, 1 PPS SYS Panel I/O, AUX Panel I/O, TTL status
Data Offload Options	<ul style="list-style-type: none"> Amphenol RJFTV21V: 2 ports 10GbE RJ45 (optional IEEE1588 RJ45) Amphenol USB3FTV2SA03NASTR: 2xUSB3.0
Temperature & System Cooling	<ul style="list-style-type: none"> Conduction-cooled. Blower fans for convection assistance
Mounting	<ul style="list-style-type: none"> Tray or bulkhead mount

Platform Speed Options	Link Options	Storage Options
80Gbps (XDR5080)	SFP+ (10GbE)	15TB
100Gbps (XDR5100)	SFP28 (25GbE)	60TB
	QSFP+ (40GbE)	90TB
	QSFP28 (100GbE)	120TB
		180TB
		360TB

