TITAN100

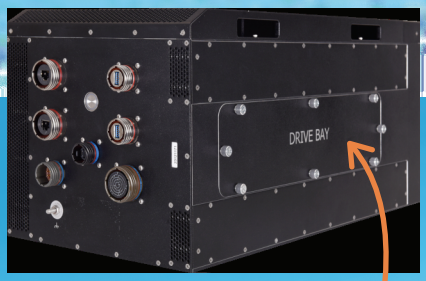
MIL-STD 810 & Designed **Ready** for the Extreme

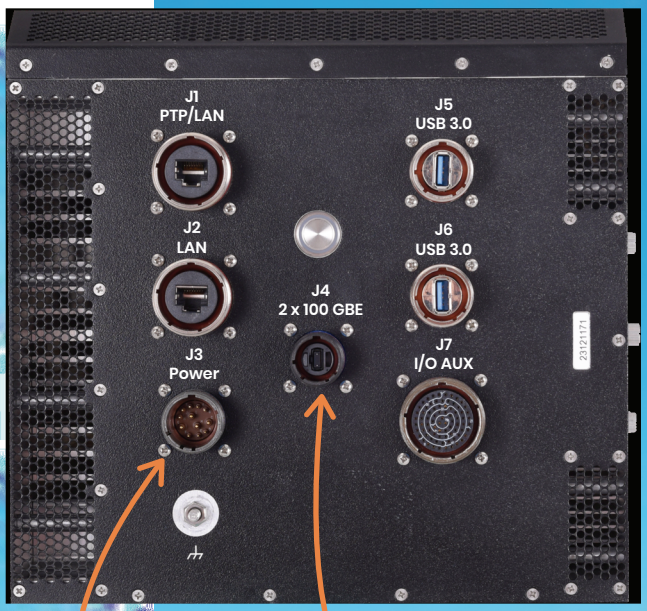
Size (Footprint)

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

Mock-Up E Pod
**Visual Reference Only*







Weight

18.1kg (40lbs)

Removable Storage

Up to 720TB NVMe TLC SSD
Encryption Drive

Power

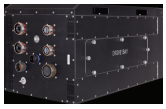
28VDC 350W (nominal)
D38999 Connector

Capture & Replay Ports

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

daqscribe

daqscribe
The Ethernet Recorder Company



TITAN100

Specification	Description
Hardware Time Stamp	• Resolution: 1 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
CPU & Memory	• AMD EPYC™ 7003 • System memory: 128GB DDR4 ECC registered
Storage Options	• High endurance Enterprise NVMe solid state drive • Storage capacity 15TB to 720TB • Removable storage drives
Environmental Standards	***Standard Chassis*** ○ Operational Temperature (Ambient): -54 °C to +55 °C ○ Storage Temperature (Ambient): -60 °C to +85 °C ***Optional Chassis Build*** ○ Operational Temperature (Ambient): -54 °C to +75 °C • Humidity: 100% • Altitude: 35,000ft operation • Designed to meet MIL-STD 810
Peripherals	• **J1:** RJ45, PTP/LAN | **J2:** RJ45 LAN • **J3:** Power, D38999/20WD97SA • **J4:** Capture ports, D38999/20WD97SA • **J5:** USB 3.0 | **J6:** USB 3.0 • **J7:** AUX panel I/O, D38999/20FD97PA, 1 PPS, VGA, Power Switch/LED/Reset, 1 Port GbE RJ45 dedicated for IPMI
Data Offload Options	• Amphenol RJFTV21V: 2 ports 10GbE RJ45 (optional IEEE1588 RJ45) • Amphenol USB3FTV2SA03NASTR: 2xUSB3.0
Temperature & System Cooling	• Conduction-cooled. Blower fans for convection assistance
Mounting/Transport	• Tray or bulkhead mounting

PLATFORM PN CODE	LINK TYPE PN CODE	STORAGE PN CODE
XDR5100-	XG4- 2X5G- 4XG- 10XG-	15T, 30T, 45T, 60T, 90T, 120T, 180T, 240T, 300T, 360T, 480T, 600T, 700T

SPARE STORAGE PACK PN CODE	STORAGE PN CODE
XDR	15T-3, 30T-4, 45T-6, 60T-8, 90T-12, 120T-12, 180T-12, 240T-12, 300T-12, 360T-12, 480T-12, 600T-12, 700T-12

ACCESSORIES PART NUMBERS	
XDR-CBL-04018	POWER CABLE HARNESS, D38999/26WD97SA TO 2X RING TERMINALS, MATES WITH WHS-03953, NON-ROHS, 72 INCHES
XDR-CBL-04061	FIBER CABLE Harness, MIL-DTL-38999, MPOFTV TO 2 x MPO/MTP, OLIVE DRAB, 120 INCHES, LOOP Back kit for Self-Test
XDR-CBL-03952	TEST CABLE HARNESS, D38999/26WG35PN, 2X USB 2.0, RJ45, VGA, SMA, POWER, RESET, LAN LED, POWER LED, HDD LED, SYSTEM
XDR-CON-RJFTV6G	CONNECTOR MODULAR PLUG KIT HSG RJ45 GREEN