MDR CARBON100

Bold. Compact. 100Gbps & **Ready**

Removable Storage

Up to 75TB, NVMe
Enterprise Grade Drives





½ ATR Tray

*Visual Reference Only

Weight

5.5kg (12.2lbs)

Capture & Replay Ports

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



Power

120/240VAC
280 Watts
(Optional 12-48 VDC)

Size (Footprint)

½ ATR Style	
Width	12.4cm (4.9in)
Height	19.5cm (7.7in)
Depth	32.3cm (12.7in)

daqscribe

daqscribe
The Ethernet Recorder Company



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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
Storage Options	• Removable High endurance Enterprise NVMe solid state drive • Optional NVMe TCG® Opal SSC encryption-ready drives (SEDs) • Storage capacity 9TB to 90TB
CPU & Memory	• AMD EPYC™ 7003 • System Memory from 32GB to 128GB
Peripherals	• Front: Power switch/LED, Reset switch, Drive LED, Network LEDs, System Status LED • Rear: 2xUSB3.0, 1xVGA DSUB15 port (1920x1080 resolution) • Rear: 1xGbE RJ45 dedicated for IPMI
Data Offload Options	• 1/10GbE: 2 ports RJ45
Temperature & System Cooling	• Operating Temperature: 0°C to 45°C (32°F to 113°F) • Non-Operating Temperature -40°C to 85°C (-40°F to 185°F) • Operating Humidity: 10~85% (non-condensing) • 2 x 40mm, 2 x 60mm PWM cooling fans
Mounting	• ½ ATR Short Complaint Mounting holes • Rubber feet

Platform Speed Options	Link Options	Storage Options
10Gbps 25Gbps 40Gbps 100GBPS	SFP+ (10GbE) SFP28 (25GbE) QSFP+ (40GbE) QSFP28 (100GbE)	9TB, 11TB, 19TB, 23TB, 38TB, 45TB, 75TB, 90TB