

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

SFP28	25GbE
QSFP+	40GbE
QSFP28	100GbE



Power

120/240VAC
280 Watts
(Optional 12-28 VDC)

Size (Footprint)

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



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
Storage Options	<ul style="list-style-type: none"> Removable High endurance Enterprise NVMe solid state drive Optional NVMe TCG® Opal SSC encryption-ready drives (SEDs) Storage capacity 19TB to 75TB
CPU & Memory	<ul style="list-style-type: none"> AMD EPYC™ 7003 System Memory from 32GB to 128GB
Peripherals	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 1/10GbE: 2 ports RJ45
Temperature & System Cooling	<ul style="list-style-type: none"> 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) 3 x 40mm PWM cooling fans
Mounting	<ul style="list-style-type: none"> ½ ATR Short Complaint Mounting holes Rubber feet

Platform Speed Options	Link Options	Storage Options
25Gbps	SFP28 (25GbE)	19TB
40Gbps	QSFP+ (40GbE)	37TB
100GBPS	QSFP28 (100GbE)	75TB

