

# MDR SILVER50

Light. Compact, 50Gbps & **Ready**

## Storage

Up to 120TB, NVMe  
Enterprise Grade Drives

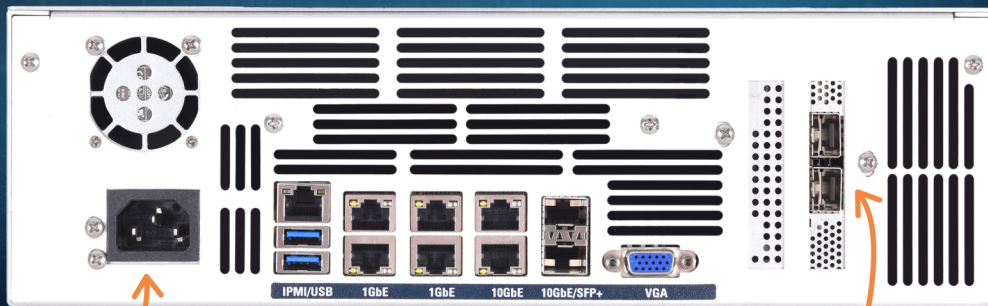
## Size (Footprint)

Width	33cm (13in)
Height	9.6cm (4in)
Depth	22.6cm (8.9in)



## Weight

5kg (11 lbs)



## Power

120/240 AC  
300 Watts

IPMI/USB 3.0

Data Offload Ports

VGA

## Capture & Replay Ports

SFP+	10GbE
SFP28	25GbE





Specification	Description
<b>Hardware Time Stamp</b>	<ul style="list-style-type: none"> <li>Resolution: 4 ns, Stratum 3 compliant TCX</li> <li>Time formats: PCAP-ns/-us, UNIX 10 ns, 1 ns</li> </ul>
<b>Timing/Synchronization</b>	<ul style="list-style-type: none"> <li>OS time synchronization</li> <li>Rx Time Stamp</li> </ul>
<b>Data Format</b>	<ul style="list-style-type: none"> <li>PCAP or NTCAP format (capture/record only)</li> <li>API &amp; example C code for data parsing and extraction</li> </ul>
<b>In-Line FPGA Data Processing (Optional Features)</b>	<ul style="list-style-type: none"> <li>Real-time FPGA in-line packet filtering</li> <li>Packet Filtering based on Layer2, Layer3, and Layer4 criteria</li> <li>Merging traffic from all ports into one stream</li> <li>Slicing at fixed or dynamic offset</li> <li>Traffic Retransmission from one port to another while capturing</li> </ul>
<b>Storage Options</b>	<ul style="list-style-type: none"> <li>High endurance Enterprise NVMe solid state drive</li> <li>Optional NVMe TCG® Opal SSC encryption-ready drives (SEDs)</li> <li>Storage capacity 7TB to 120TB</li> <li>Optional removable storage drives upon request</li> </ul>
<b>CPU &amp; Memory</b>	<ul style="list-style-type: none"> <li>Intel Xeon SoC: 4 cores to 16 cores</li> <li>System Memory from 32GB to 256GB</li> </ul>
<b>Peripherals</b>	<ul style="list-style-type: none"> <li>Front: Power switch/LED, Reset switch, Drive LED, Network LEDs, System Status LED</li> <li>Rear: 2xUSB3.0, 1xVGA DSUB15 port (1920x1080 resolution)</li> <li>Rear: 1xGbE RJ45 dedicated for IPMI</li> </ul>
<b>Data Offload Options</b>	<ul style="list-style-type: none"> <li>1GbE: 4 ports RJ45</li> <li>10GbE/25GbE: 2 ports SFP+/SFP28</li> </ul>
<b>Temperature &amp; System Cooling</b>	<ul style="list-style-type: none"> <li>Operating Temperature: 0°C to 40°C (32°F to 104°F)</li> <li>Non-Operating Temperature -40°C to 70°C (40°F ~ 158°F)</li> <li>Operating Humidity: 10~85% (non-condensing)</li> <li>1 x 80mm, 1 x 60mm, 4 x 40mm PWM cooling fans</li> </ul>
<b>Transport</b>	<ul style="list-style-type: none"> <li>Durable Carrying Case</li> </ul>

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

