Lumu Hardware Appliance Specifications

Lumu Hardware Appliances (LHA) are purpose-built, high-performance devices engineered to capture network traffic from the wire. They offer multiple deployment options designed to meet diverse infrastructure needs, supporting a wide range of network throughput and metadata ingestion scenarios—including deep packet inspection (DPI) when required.

The LHA works alongside Lumu's core network metadata collection to reduce friction and expand visibility across diverse infrastructures. Lumu's technical team works closely with customers to recommend the right appliance based on network bandwidth, architectural complexity, and SecOps priorities. Whether used in highly regulated environments or as part of a broader visibility strategy, LHA ensures full compatibility with the Lumu platform. This ensures consistent, low-latency data collection, making Lumu one of the most flexible NDR solutions available.

Appliance
Specifications

	LHA-10	LHA-100	LHA-1000
Number of Assets	Up to 2,000	Up to 15,000	Up to 100,000
Peak Throughput	5 Gbps	22 Gbps	80 Gbps
Network Interfaces	Four 2.5 GbE RJ-45 ports	Two 10G SFP+ Eight 2.5 GbE RJ-45 ports	Two 40G QSFP+ Two 10G SFP+ Eight 1G SFP Two 2.5 GbE RJ-45 ports Four 1GbE RJ-45 ports
Power Consumption	DC 12V External power adapter	450W Redundant PSU	550W Redundant PSU
Dimensions (W x H x D)	148x56x125 mm	430x45x450 mm	440x88x500 mm
Photo Reference			

Lumu LHA-10
Specifications

Key Features

- Number of Assets: **Up to 2k**
- Throughput: **Up to 2.5 Gbps**
- Four Intel **2.5 GbE port**

Ethernet	
LAN Port	Four 2.5 GbE RJ-45 ports
Indicator	LAN link, active, speed LED, BYPASS function LED

Storage	
Storage	One 512G NVME

System Input/Output	
USB	Two USB3.0
Indicator	One Power LED, one HDD LED
Video	Two HDMI

Power Supply	
Power Consumption	DC 12V External power adapter
Power Input	100 ~ 240V AC input

Environments	
Mounting	Supports rack mounting
Operate Temperature	-10°C ~ 60°C
Storage Temperature	-20°C ~ 70°C
Operate Humidity	5% ~ 85% non-condensing @ 40°C
Storage Humidity	5% ~ 95% non-condensing

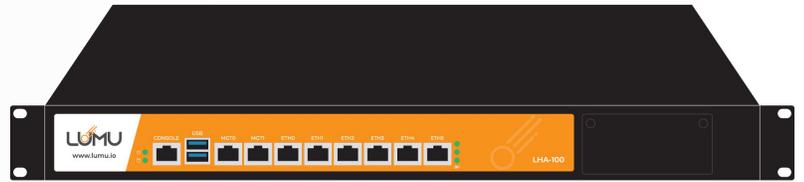| Dimensions and Certifications	
Certification and Approvals	CE, FCC, RoHS
Construction	Fanless and Aluminum extrusion chassis
Dimensions (W x H x D)	148x56x125 mm
Weight	1.5 kg

Lumu LHA-100
Specifications

Key Features

- Number of Assets: **Up to 15k**
- Throughput: **Up to 22 Gbps**
- Power Supply **Redundant**
- One NIC extension with **2 SFP 10Gbps**

Ethernet	
LAN Port	Eight 2.5GbE RJ-45 ports
Optical Ports	Two 10G SFP+
Indicator	LAN link, active, speed LED, BYPASS function LED

Storage	
Storage	Two 2TB SSD RAID 0,1

System Input/Output	
USB	Two USB3.0
Console	One RJ-45 console
Indicator	One Power LED, one HDD LED
Video	One VGA interface

Power Supply	
Power Consumption	450W Redundant PSU
Power Input	100 ~ 240V AC input

Environments	
Mounting	Supports rack mounting
Operate Temperature	-10°C ~ 50°C
Storage Temperature	-20°C ~ 75°C
Operate Humidity	5% ~ 85% non-condensing @ 40°C
Storage Humidity	5% ~ 95% non-condensing

Dimensions and Certifications	
Certification and Approvals	CE, FCC, RoHS
Construction	1U rackmount chassis
Dimensions (W x H x D)	430x45x450 mm
Weight	6.2 kg

Lumu LHA-1000
Specifications

Key Features

- Number of Assets: **Up to 100k**
- Throughput: **Up to 80 gbps**
- Power Supply **Redundant**
- Four Intel **GbE Ports**

Ethernet

LAN Port	Two 2.5GbE RJ-45 ports Four 1GbE RJ-45 ports
Optical Ports	Two 40G QSFP+ Four 10G SFP+ (Two Channel Bypass) Eight 1G SFP
Indicator	LAN link, active, speed LED, BYPASS function LED

System Input/Output

USB	Two USB 3.0
Console	One RJ-45 Console
Indicator	One Power LED, one HDD LED
Video	One VGA Interface

Power Supply

Power Consumption	550W Redundant PSU
Power Input	100 ~ 240V AC Input

Environments

Mounting	Supports Rack Mounting
Operate Temperature	-10°C ~ 50°C
Storage Temperature	-20°C ~ 75°C
Operate Humidity	5% ~ 85% Non-condensing @ 40°C
Storage Humidity	5% ~ 95% Non-condensing

Storage

Storage	Two 2TB SSD RAID 0,1

Dimensions and Certifications

Certification and Approvals	CE, FCC, RoHS
Construction	2U Rackmount Chassis
Dimensions (W x H x D)	440x88x500 mm
Weight	12.8 kg