

FMADIO40G Gen3

Full Line Rate Sustained 40Gbit Packet Capture

40Gbps Full Packet Capture

Advanced 1U 40Gbps Line Rate Packet Capture system.

Reliable lossless line rate packet capture appliances for any network speed, any flow rate, any packet size.

FMADIO Advanced Technology group has created the best 40Gbps packet capture system utilizing proprietary FPGA hardware and bleeding edge software, at a simple, open and affordable price.

All FMADIO appliances come with a fast, easy to use UI, that's simple to learn. Our PacketScope software gives you the power to quickly dissect data to find the packets you need to solve problems. Familiar BPF filtering means that you can reliably reduce the size of packet downloads.

Our systems are designed to be open and extensible, letting you tailor them to your needs and providing future-proofing against new requirements. FMADIO appliances support Linux Containers, so 3rd party or home-grown applications are easy to add. A simple HTTP based API enables integration with automation tools, and the Push functionality means that you can archive filtered subsets of data to long term storage.

FEATURES

- 40Gbps Line Rate Packet Capture
- Real time compression
- Packet Slicing
- 2x QSFP28 Capture Ports
- Hardware Time Stamping
- Packet Replay + Blaster
- 40Gbps Line Rate Packet Generator
- Pre-capture Filtering
- Simple easy to use Web GUI
- 4TB SSD Cache
- Inline Packet Capture
- Fully scriptable JSON API
- 40TB to 72TB RAID5 Storage
- ERSPAN/DANZ/GRE/other packet de-encapsulation

SPECIFICATION

Network Sustained Capture Speed:
40Gbps Line Rate Packet Capture
59.52Mpps Packet Capture

Network Capture Ports:
2x QSFP28 100GbE / 40GbE Capture Ports
2x100G / 2x40G / 8x25G / 8x10G
SR4 / CDWM4 / LR4 / CX4 + FEC support

Packet Size:
64B-9218B

Management Interfaces:
2x 10GbE SFP+
2x 10/100/1000MbE RJ45

IPMI Interface:
1x 10/100/1000 RJ45

Hardware Time Stamp
Resolution: 3.2ns

Clock Synchronization:
PTPV2, NTP, PPS

Hot Swap Drive:
4x 3.5" Magnetic Drives

Storage Size:
40TB - 72TB Raw Storage

Storage Mode:
RAID5

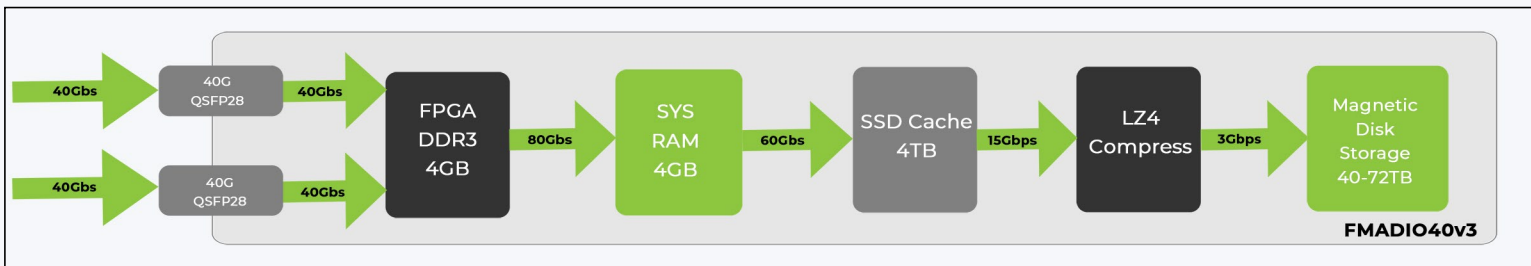
Rackmount Rails:
Tool-less Rails

Cooling:
12x Hot swap 40mm Fans

Power:
Dual 1200W Power Supply
Hot Swap Power Supply
(Operates with Single PSU)

Size:
1U Rack mountable
482mmx640mmx44mm
19" x 25" x 1.75"

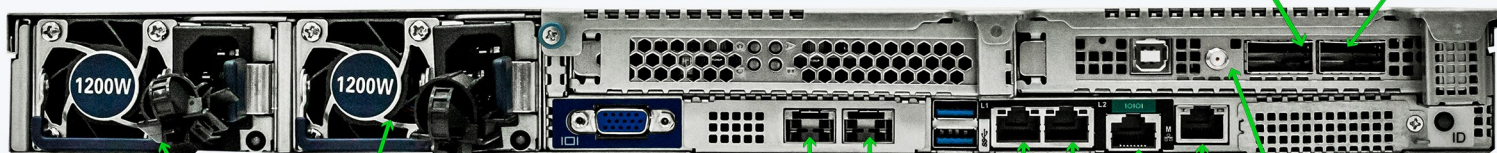
Total Weight:
24.8kg / 55lbs



FRONT



REAR



Dual Hot Swap PSU

10GbE Management

1GbE Management

Serial

IPMI

PPS Time Sync

QSFP28 40Gbps Capture Port A

QSFP28 40Gbps Capture Port B

FMADIO40G Gen3 2U

Full Line Rate Sustained 40Gbit Packet Capture

40Gbps Full Packet Capture

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FEATURES

- 40 Gbps Line Rate Packet Capture
- 2x QSFP28 Capture Ports
- 40Gbps Line Rate Packet Generator
- 1TB to 4TB SSD Cache
- 96TB to 216TB TB RAID5 Storage
- Real time compression
- Hardware Time Stamping
- Pre-capture Filtering
- Inline Packet Capture
- ERSPAN/DANZ/GRE/other packet de-encapsulation
- Packet Slicing
- Packet Replay + Blaster
- Simple easy to use Web GUI
- Fully scriptable JSON API

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64B-9218B

Management Interfaces:
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2x 10/100/1000MbE RJ45

IPMI Interface:
1x 10/100/1000 RJ45

Hardware Time Stamp
Resolution: 3.2ns

Clock Synchronization:
PTPV2, NTP, PPS

Hot Swap Drive:
12 x 3.5" Magnetic Drives

Storage Size:
96TB - 216TB Total Raw Storage

Storage Mode:
RAID5

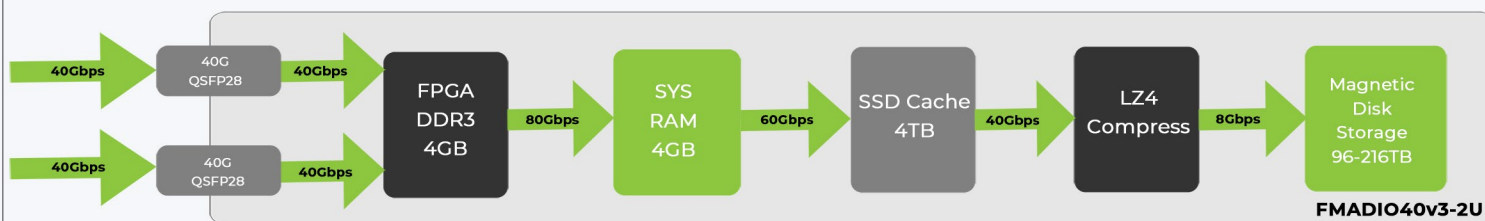
Rackmount Rails:
Tool-less Rails

Cooling:
4x Hot swap 80mm Fans

Power:
Dual 1200W Power Supply
Hot Swap Power Supply
(Operates with Single PSU)

Size:
2U Rack mountable
482mmx730mmx87mm
19" x 29" x 3.5"

Total Weight:
34.8kg / 77lbs



FRONT



REAR

