Hot Swap 3.5" Magnetic Storage   Hot Swap 3.5" Magnetic Storage   Hot Swap 3.5" Magnetic Storage   Hot Swap 3.5" Magnetic Storage

FMADIO20 Gen2
Full Line Rate 20Gbps Packet Capture

20Gbps Full Packet Captures

Advanced 1U 20Gbps Line Rate Packet Capture system. Full packet capture at full 20Gbps Line Rates. Clean full packet captures anywhere on your network.

FMADIO Advanced Technology group has created the best 20Gbps packet capture system utilizing proprietary FPGA hardware and bleeding edge software. Resulting in a outstanding 20Gbps packet capture system at reasonable prices.

Built using Open Standard Linux, PCAP, HTTP and JSON specifications FMADIO20G is simple to operate, and easy to integrate into your existing environment.

Full Linux Container Support
Run your own applications on the box!

Features:
- 20Gbps Line Rate Packet Capture
- 20Gbps Line Rate Packet Generator
- x2 SFP+/SFP 10Gbps/1Gbps Ports
- 16TB - 40TB Hot Swap Storage
- 1TB - 8TB Line Rate SSD Cache
- Hardware Time Stamping
- Pre-capture Filtering
- Packet Slicing
- Simple Easy to use Web GUI
- Realtime Compression
- SPAN/Mirror Capture
- Rx Only TAP Capture
- Inline Capture

Specification

Network Capture Speed;
20Gbps 29.76Mpps Packet Capture

Networ Capture Ports;
x2 SFP+ 10G/1G Capture Port

Packet Size:
48B-9218B

Managment Interface
x1 10G SFP+
x2 10/100/1000M RJ45

IPMI Interface
x1 10/100/1000Mb RJ45

Hardware Time Stamp Resolution
3.2ns

Clock Synchronization
PTPv2, NTP, PPS

Line Rate SSD Cache
1TB ~ 8TB SSD Cache

Storage Size:
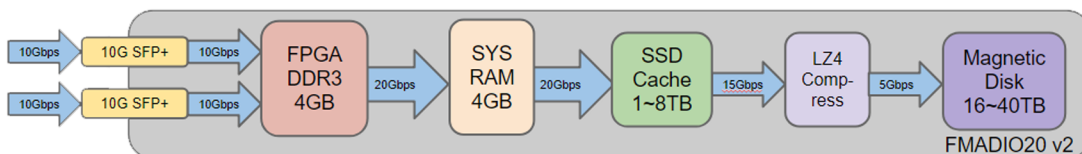16TB ~ 40TB Raw Storage
4 x 3.5" Hotswap HDD

Storage Mode:
RAID5

Chassis Size:
1U Rack mountable
432mm x 44mm x 640mm
19" x 1.7" x 25"
25.0Kg / 55lbs

Rack mount Rails
Easy to use Tool-less Rails

Cooling:
x10 40mm Fans

Power:
Dual 800W Power Supply
Hot Swap Power Supply
(Operates with Single PSU)

10Gbps → 10G SFP+ → 10Gbps → FPGA DDR3 4GB → 20Gbps → SYS RAM 4GB → 20Gbps → SSD Cache 1~8TB → 15Gbps → LZ4 Comp-ress → 5Gbps → Magnetic Disk 16~40TB

10Gbps → 10G SFP+ → 10Gbps

FMADIO20 v2

Dual Hot Swap PSU   10Gbps Capture Port A   10Gbps Capture Port B   1G Management   10G SFP+ Managment   IPMI

FMADIO
10G 40G 100G PACKET CAPTURE