

Sessionmaster EXA8

The EXA8 is an affordable high performance universal open network appliance with a unique design and flexible feature set. Cubro EXA8 is the **only network visibility probe** of its kind in the market due to its compact size, in built-TAP and powerful CPU at a **low price**. The EXA8 acts as legs to capture packets, streamline it and then provide statistics – extracts metadata. The probe can monitor interfaces for traffic congestion and reports when the traffic breaches a predefined threshold.

The key components of this platform are a **reliable hardware platform** with proven processing power. Currently, there are **three versions available** – one community version and two standard versions. The community version of EXA allows the user to add more functions to the appliance depending on their requirement, thereby adding value to the appliance and staying competitive **without investing in several devices**.

There are three versions of EXA8:

1. Community Version: EXA8 – Built-in TAP and CPU
2. Standard Version: EXA8S – SIP Analyser and SIP Capture Product Launch
3. Standard Version: EXA8 LI (Lawful Intercept)

1. Community Version: EXA8 – Built-in TAP and CPU



Features

- Open Linux - possible to install Wireshark or third party software, you do what you want
- Live link cables directly connected to this device – all in one TAP, aggregator and probe
- Collect and analyse the network data, add any software, applications
- Can be attached to any leading platform for elastic search, mainstream analytics

Business Benefit

To keep up with the current and future network challenges, appliance developers need a powerful, high-speed platform into the network. Our latest product, the community version of EXA8, is an **ideal platform for software developers and organisations** who want to develop customized applications or applications which are currently not available on existing network appliances.

Specifications

- Cavium ARM64 CPU 16GB DDR4 RAM
- Internal and external SSD Storage
- 8x 1G Copper, 2x 10G SFP+ Ports
- 4x Integrated Cubro TAPs (Passive)
- 1U ½ 19" Metal Housing w/ PSU

2. Standard Version: EXA8S – SIP Analyser and SIP Capture Product Launch



Features

- Full VoIP/RTC (SIP + RTP + RTCP + WebSockets) analysis for Carriers and Operators in combo with our platform HEPIC
- Captures VOIP data for real-time analysis
- Captures on USB or SSD
- VoIP call control (that is, call initiation and setup signaling) - SIP
- Status of current VoIP calls - RTP
- Details about current VoIP calls (caller destination, vocoder used, etc.).
- Bandwidth consumption by current VoIP calls.
- IP addresses of key VoIP nodes and endpoints (call controller, gateways, IP phones)
- Latency, jitter and packet loss, for VoIP calls between two distributed site

Business Benefit

To achieve customer satisfaction by being able to get real-time statistics which will reduce troubleshooting time for any poor quality VOIP calls.

Specifications

- Cavium ARM64 CPU 16GB RAM
- Internal and external SSD Storage
- 8x 1G Copper, 2x 10G SFP+ Ports
- 4x Integrated Cubro TAPs (Passive)
- 1U ½ 19" Metal Housing w/ Dual PSU

3. Standard Version: EXA8 LI (Lawful Intercept)



Features

- Hardware and software in one box – plug & play
- EXA8 small form factor and low price, powerful CPU and in-built TAP. The software is certified, tested and stable. Together, it offers excellent value for money.
- EXA8 is the only solution with hardware and software as a package
- Easy maintenance
- Accelerate deployment time, no complexity in deploying the software

Business Benefit

Lawful intercept application is required by service providers to meet government mandated legal requirements. The challenge for service providers has been to cost-effectively meet lawful intercept requirements. In most cases, the software and hardware are from different vendors which means it is time-consuming and expensive to deploy the application, maintain and run it smoothly. EXA8 for LI application bridges this gap and provides both hardware and software solution which is certified. The solution is compliant to regulations and supports VOIP.

Specifications

- Cavium ARM64 CPU 16GB RAM
- Internal and external SSD Storage
- 8x 1G Copper, 2x 10G SFP+ Ports
- 4x Integrated Cubro TAPs (Passive)
- 1U ½ 19" Metal Housing w/ Dual PSU

Cooperation Cubro and H5 Audits

The cooperation between Cubro and H5 resulted in a New Product, H5-EXA8.

This is a hybrid product which integrates NPB and H5-APP features in a sole unit.

Collection, Aggregation, Filtering and Volume and Performance metrics are all included in this unique product.

70 metrics are generated per flow, port, IP, conversation, etc. on the whole traffic.

H5-EXA8 features

- 8 Ethernet Copper ports for aggregation or 4 Copper tapped links with integrated By-pass
- 2 ports SFP+ 10 G for 10 G span ports
- Filtering, load balancing and flow tagging on every port.
- Unified GUI

H5-EXA8 benefits

- Product adapted to Telco priorities (integrated, scalable, easy to deploy)
- Secured with an integrated by-pass, no risk of failure in case of a power lost
- No external tools need to be installed in addition of the H5-CPR external portal
- Possibility to send all H5-OS metrics to an existing portal (Zabbix, Data dog or other Supervision solution) based on an opened SOAP API.

The diagram illustrates an enterprise use case for H5-EXA-8. It shows traffic originating from Office 365 and Google, passing through a WAN, and reaching a server. The H5-Performance Reporter interface is shown, displaying various metrics and charts. The interface includes a search bar, a list of top bandwidth consumers, a list of top 10 domains, a list of top 20 slow domains, and a chart showing the effect of connections. The H5-Performance Reporter logo is visible in the top right corner of the diagram.