M2.XDR

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Introduction

M2.XDR is a powerful analysis tool for near real-time and past network communications. M2.XDR offers all degrees of freedom to analyse and display network traffic. Pre-configured dashboards bring instant visibility. Combining hardware and SaaS-based network communication analysis software into one powerful package. Easy to set up, cloud-based and secure.

Destacar

- M2-Edge-Router & be.Analyzer licence for 1 year

- Visualisation of network traffic at a glance

- Pre-built dashboards show instant results

- WAN connection via copper and fibre up to 2.5 GB/s

- Workshops for commissioning the M2.XDR included

Interfaces

Dual WAN-Ports	1 x Combi interface, 1 x 2.5-GbE / FTTH
LAN connectivity	4-Port-Gigabit-Ethernet-Switch
Wi-Fi 6 (internal antennas)	Dual radio access point 2.4/5 GHz
Console port	Access for troubleshooting

Competitive Advantage

Unbeatable price-performance ratio	High-performance hardware, M2, in combination with a one-year operation of the SaaS application be.Analyzer.
Traffic data analysis for SMEs	Display of current and historical connection data to services from the cloud (e.g. Office365, Azure, Google etc..). Anomaly detection.
Perfomant hardware	Up to 2.5 GB/s The M2 can be integrated into WAN structures. 4 GB/S Ethernet ports enable a fast connection to the LAN.
Intuitive user interface	Secure, web-based Flow Analytics portal show all necessary information on the generated connection data with just a few mouse clicks.

Key Features

- **High-performance M2-Edge-Router** Packet processing acceleration provides up to 2 Gbps of bundled IMIX performance for high-speed scenarios.

- **Dashboards** Preconfigured dashboards for the standard displays.

- **Hardware encryption** Optional high-performance CPU with hardware encryption with bundled encrypted performance of over 1 Gbit/s.

- **Advanced services** The M2 application software includes all the advanced features needed in corporate networks and by network operators and is ready for professional purposes as well as for demanding scenarios.

- **Flow Analysis Tool - SaaS based** No on-site installation, no client necessary.

- **Timemachine** Review of 10 days inclusive possible

- **Integrated 4 x GE switch** The built-in switch is ideal for small offices as it eliminates the need for external switches, reducing costs and bypassing trouble spots. GE, duplex and self-negotiable ports.

- **Easy deployment: Low complexity in operation** The M2 is the more flexible and affordable edge model with simple network provisioning (ZTP) and ready for cloud services.

CARACTERíSTICA TéCNICA DEL HARDWARE

LAN connectivity
4x 10/100/1000 ethernet ports (LAN/WAN configurable)
RJ45 connector, selfnegotiation, automatic crossover
802.3i (10BaseT), 802.3u (100BaseT), 802.3ab (1000BaseT)

Dimensions and environmental specifications
L x W x H: 252,90 x 140 x 44 mm
Format: Desktop, wall and rack mounting
Temperature: 0 to 45 ºC, Storage: -10ºC to 70ºC

M2 models
RCTM2H001: Teldat M2, 1xCombo, 1x2,5GbE, 4xGE switch
RCTM2H002: Teldat M2, 1xCombo, 1x2,5GbE, 4xGE switch, Wifi-6 Mimo 2x2

WLAN interface
Dual radio access point Wi-fi 6, 2,4 & 5GHz
IEEE802.11 a/b/g/n/ac/ax
Support 20/40/80/(80+80) MHz channel bandwidths

WAN connectivity: Dual WAN ports
WAN 1: 1xCombo GE Copper/SFP
WAN 2: 1x 2,5GbE RJ45 port
Optical interface: 1000 Mbps (1000BASE-X) LX/LH-SX-ZX

CARACTERíSTICA TéCNICA DEL SOFTWARE

IP protocol
ARP, ARP Proxy, MTU discovery, NAT/PAT, ICMP, BFD
Static and dynamic routing: RIP, OSPF, BGP, policy based routing(PBR)
Virtual Router Forwarding (Multi-VRF)

IP services
FTP, SFTP, SSH, Telnet server and client
NTP, LDAP, Syslog, SCP client. TFTP server
DHCP server/client/relay, DNS Proxy, dynDNS

Management
CLI configuration and storage in a plain text file
RADIUS and TACACS+ AAA support, Netflow, RMON, SNMPv1, v2c and v3
Cloud Net Manager tool(HTTPS based) and API restconf support

Security (2)
MAC filtering. Static and dynamic access lists(ACLs
Session-based Firewal
Deep packet inspection(L7 firewall)

Wi-Fi services
WEP, WPA, WPA2 & WPA3(Roadmap) security. WMM QoS
Multi-SSID

Security (1)
IPSec support in transport and tunnel mode.
Pre-shared authentication, RSA, Certificates, MDS, SHA-1
Encrypted: DES (56 bits), 3DES (168 bits), AES (128, 192 and 256 bits)

IPv6
Dual Stack, IP6oIPv4, IPv4oIPv6, GRE, 6rd, DHCP, ICMPv6, SLAAC
Static and dynamic routing RIPng, OSPFv3, MP-BGP
Multicast: MLD, MLDv2, Listener, Querier

IP protocol (2)
Multicast routing: IGMP (v1,v2, v3), PIM-SM, MSDP, MLD, MLDv2
IPSLA service probes (delay, packet loss, jitter)
High availability: VRRP, HSRP

Quality of Service(QoS)
Classification, marking, BW management, BW
prioritization and limitation
Strict policies (PQ), Low latency (LLQ), by weight/type (WFQ, CBWFQ)

SD-WAN networks
Overlay over hybrid networks with App-aware routing, QoS and Visibility
Central SD-WAN flow control including Zero Touch
Provisioning

CARACTERíSTICA TéCNICAS ADICIONALES

Out of band management (Console port)
RJ45 female connector with proprietary pinouts
(including adapter)
Type RS232, N81

LEDs
Power supply, WLAN status,
2x per LAN pot, 2x per WAN port (link, speed and activity)

Other relevant information
RAM/Flash memory: up to 1GB/4GB
External PSU 100-240 V AC, 50-60 Hz

Scenarios