

Edge Shield M3

Modular rugged network security appliance
from 10 to 26 ports

CODE: H-ES-RACK-M3



A powerful switch for Software-Defined Networking. An advanced probe with state-of-the-art intrusion detection system. Designed for IT and OT.

-  Micro-segmentation and Host isolation
-  Asset and traffic inventory
-  Intrusion Detection System
-  Network probing and visibility

Highlights	
Protect Business Continuity	Data network management aligned with international industrial cybersecurity standards, including IEC 62443, NIS2, NIST, and ISO
High Switching Capability	Fully compliant with SDN standards, integrating network analyzer functions for complete control over data forwarding at the switching level
Regulation Compliance	Implement security systems by defining Security Zones and Conduits without modifying existing IP addresses or VLAN configurations
Cybersecurity functionalities	Integrated Intrusion Detection System (IDS) for both IT and OT traffic, featuring network probes and security level monitoring indicators
High modularity	Available in configurations with 2 SFP+ ports and 8 to 24 Gigabit Ethernet ports
Warranty extension	Option to extend software and hardware warranty coverage up to 5 years
External integration	Full interoperability with third-party products and custom integrations via REST API
White label	Enrich your portfolio with a branded network security solution

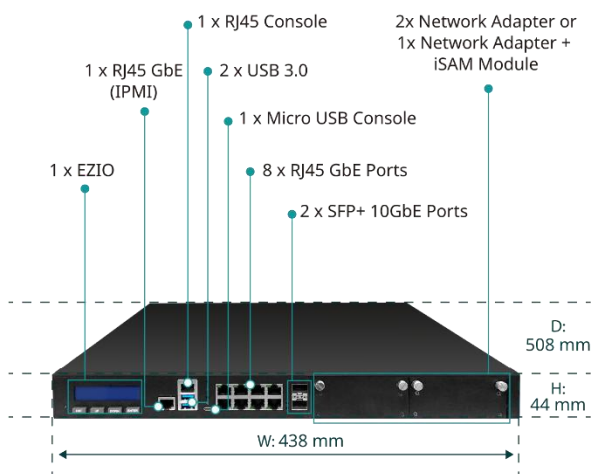
Deliver rich functionalities
without breaking compliance

Personalize hardware and
software with your branding

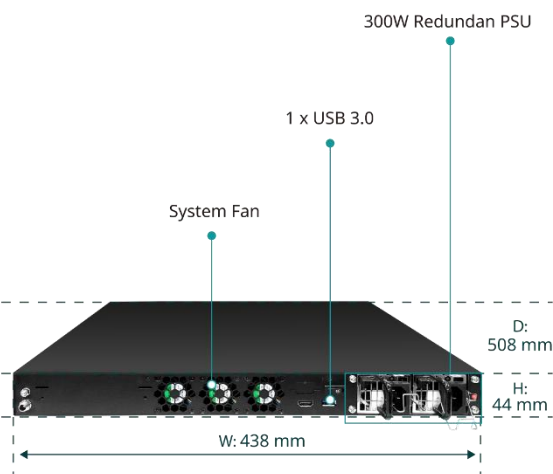
100+ IT/OT standard presets
plus custom extensions

Functionalities & Software Specifications	
Dashboards	Full view for administrators. Simplified dashboard for operational activities
Inventory	Discover devices and assets, creating a network communication matrix within the system
Hosts	Manage individual or grouped devices for advanced micro-segmentation and traffic control
Topology	Intuitive drag-and-drop tool for mapping production processes to discovered devices and communications
Applications	Includes over 100 predefined IT and OT standard applications, with support for custom extensions
Services	Micro-segmented propagation paths between hosts and security zones, defined for each switch port
Profiles	Profiles determine network behavior, enabling the deployment of network services and defining security levels
Monitoring	Easy-to-configure, intuitive indicators to assess the security level of each host and security zone
IDS	Signature-based deep packet inspection for IT and OT anomaly detection, easily customizable and updatable
Log + Alerts	Seamless integration with external log analysis software for system alerts, event logs, and user activity tracking
License	Lifetime license, including one year of software updates, IDS updates, and technical support
Technical support	Specialized support for troubleshooting, system optimization, and integration. Includes documentation, remote assistance, and software updates to ensure Edge SDN Shield remains efficient and secure

Front View



Back View



Hardware Specifications

Platform	
Processor	Intel i7 10 th generation (Comet Lake)
Chipset	Intel W480E PCH (Comet Lake)
System Memory	16GB DDR4 ECC (upgradable up to 128GB)
Expansion Ports	2 x PCIe Gen3 x8 (each one can add 8 x RJ45 GbE)
Storage Device	256GB SSD (upgradable)
Cooling	System Fan

I/O	
Ethernet Port (on board)	From 8 to 24 x RJ45 GbE Port(s) + 2 x SFP, Bypass 2 segment(s)
Management Console	1 x RJ45 System Console Port, 1 x Micro USB Console Port, 1 x RJ45 GbE (IPMI)
USB Port	2 x USB 3.0 Port(s)
Display	LCD "16x2" Characters
LED Indicators	Power / PSU / HDD / Ethernet

Dimensions, Operationa & Certifications	
Form factor	Rack mount
Security	TPM 2.0 module (optional)
Power Supply	2 x 300W (redundant)
Size (Width x Length x Height)	438mm x 508mm x 44mm (17.52" x 20.32" x 1.76")
Weight	Approx 10 kg / 22 lb (18 kg / 40 lb when packed)
Operating Environment (Temperature, Humidity)	0 – 40°C (32 – 104°F), 20 – 90% RH
Storage Environment (Temperature, Humidity)	-10 – 70°C (14 – 158°F), 5 – 95% RH
Certifications	CE / FCC / UL / RCM / CB OS



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