

Edge Shield P16

Rugged DIN/Wall mount network security appliance with 16 x 2.5GbE ports

CODE: H-ES-DIN-P16



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 Performance	2.5 Gigabit Ethernet ports with fast switching functionality for high bandwidth
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

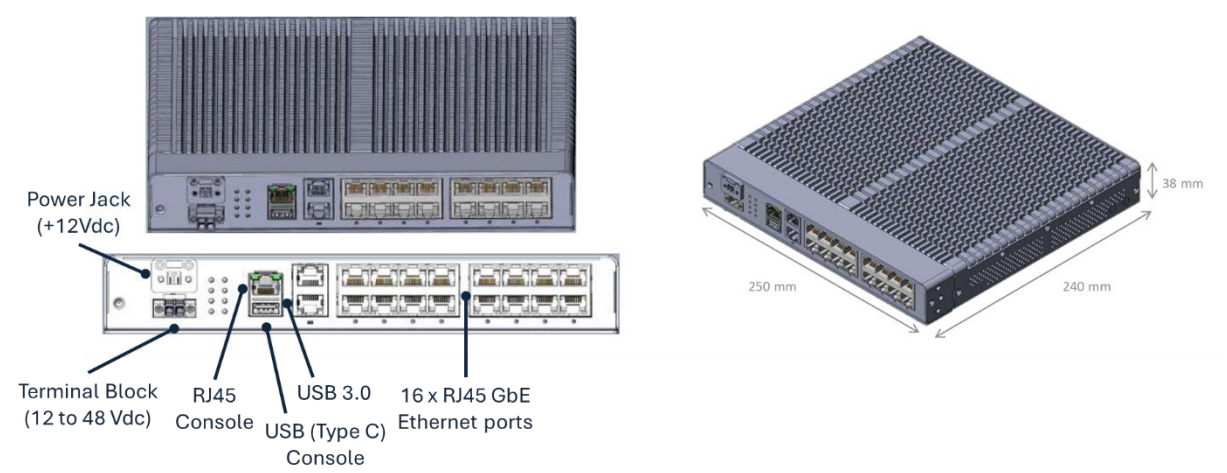
Deliver rich functionalities
without breaking compliance

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

Schema



Hardware Specifications

Platform	
Processor	Intel ATOM processor (C3708) – 8 cores@1.7GHz
Chipset	Built-in
BIOS	AMI (Default legacy mode)
System Memory	16GB RAM - H4736570(GP).16GB 3200 DDR4 ECC
Storage Device	120GB SSD (upgradable)
Cooling	Fanless

I/O	
Ethernet Port (on board)	16 x GbE RJ45 Ethernet Ports (Data) 3 x GbE RJ45 Ethernet Port (MGMT, HA, MR)
Network Bypass	8 Pairs Bypass
USB Port	1 x USB 3.0/2.0 Port
Management Console	1 x RJ45 System Console Port 1 x USB Type-C Console Port
Buttons	1 x Reset Button (with Reset-to-default function)
LED Indicators	Power / PSU / HDD / Ethernet

Dimensions, Operation & Certifications	
Form Factor	Desktop
Mounting Kit	DIN-Rail mount
Power Supply	1 x Terminal Block (12V~48V) 1 x DC Jack (12V)
Size (Width x Length x Height)	250mm x 240mm x 40mm (9.84" x 9.45" x 1.57")
Weight	Approximately 3.5Kg/7.7Lb (6Kg/13.2Lb when packed)
Operating Environment (Temperature, Humidity)	Temperature: -40 to 65°C (-40 to 149°F)
PQUA Burn-in Test	8 hours under 40°C chamber temperature
Hardware security	Infineon SLB9665 (TPM 2.0)



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