

METADEFENDER™

# Industrial Firewall

Industrial Firewalls for Critical OT and Cyber-Physical Systems

MetaDefender Industrial Firewall is a network security solution designed to protect multi-layered, mission-critical networks. These firewalls are engineered to protect ICS [industrial control systems], OT [operational technology], and SCADA [supervisory control and data acquisition] systems from cyberthreats.



## Industrial Firewall for Operations

MetaDefender Industrial Firewall for Operations is a high-performance, ruggedized firewall, built to effectively block anomalous activities on the network thereby ensuring your network remains secure and compliant against evolving cyberthreats.



Features FLM (Firewall Learning Mode) with AI (Artificial Intelligence) capabilities to monitor and learn network traffic, automatically generating security policies.



Implements Protocol Specific DPI rule sets to block anomalies, zero-day threats, and DOS/DDOS attacks.



Equipped with 4 high-speed Ethernet ports and powered by stateful packet inspection for robust security.

# Technical Specifications

Product Description	
Type	Industrial Firewall for Operations
Description	Industrial Firewall with DIN Rail Mounting
Port Type and Quantity	3x 2.5 GbE RJ45 ports + 1 SFP
Port Speeds	3x 2.5 GbE RJ45, 1x 1GbE SFP
More Interfaces	
USB Interface	2x USB 3.1 Gen 2
Serial Interface	HMI
Hardware	
CPU	Intel X6425E
Encryption	TPM 2.0 via SPI
Memory	8GB
Storage	128GB
Power Requirements	
Operating Voltage	Dual 12 - 36VDC
Power Consumption	60W
Power Supply	Phoenix contact 3-pin connector with lock
Approvals	
Basic Standard (EMC)	CE, FCC
Safety of Industrial Control Equipment	UL 62368
Hazardous Locations	C1D2
Reliability	
MTBF	15 Years
Warranty	5 Years + extended option 3 years
Ambient Conditions	
Operating Temperature	-40°C to +70°C
Storage/Transport Temperature	-40°C to +70°C
Relative Humidity (non-condensing)	5% to 95%

OPSWAT.

Protecting the World's Critical Infrastructure

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Mechanical Construction	
Dimensions (W x H x D)	143.94 x 134.9 x 64 mm
Mounting	DIN Rail
Enclosure	Aluminum with DIN clip
Weight	1.05kg
Protection Class	IP50
Software	
Software version	OPSWAT Industrial OS (3.0.0)
Security	Firewall rules (incoming/outgoing, management), DOS prevention, Protocol Specific DPI (Deep Packet Inspection): Firewall Learning Mode (FLM) - L2
Routing	Port-based routing, Static routing
Management	Local Web UI for configuration SSH, CLI
Network Address Translation	Masquerading (N-to-1), 1:1, Port forwarding
Diagnose	LEDs (Power, HDD Status, System Status), Log File, Syslog
Configuration	Web Interface, Command Line Interface (CLI)
Protocols	HTTPS, NTP (Client), DNS, Syslog
Redundancy Functions	N/A

## Supported Protocols

Industrial Protocols		
MODBUS	VNETIP	PROFINET IO (DCE/RPC)
ETHERNET/IP	BACNET	GOOSE
S7COMM	DNP3	SV
SLMP	EGD	EtherCAT Layer2
FINS	PROFINET DCP	OPC-UA (unencrypted)
GE Protocols		
CIMPLICITY	DICOM	GESRTP
IFIX	MMS	GEADL
IEC-60870-5-104	GESDI	BN3500