

OPSWAT.

DATASHEET

METADEFENDER™

Transfer Guard

Uncompromising OT/IT Communication Security with File Sanitization

MetaDefender Transfer Guard ensures uncompromising security for OT/IT communications, providing a secure file scanning and transfer solution that delivers unsurpassed performance, reliability, and security. Transfer Guard integrates OPSWAT's award-winning MetaDefender Core (MD Core) file sanitization engine. MD Core thoroughly scans and sanitizes files before they are securely transferred by Transfer Guard over a one-way optical connection across a network security boundary to the desired destination.

Scan Before You Send

Detect, analyze, and eliminate known and unknown malware and zero-day threats before transferring data and files between networks with configurable modules and packages powered by industry-leading MetaDefender technologies.

Key Features



Multiscanning

Quickly scan all files with up to 20 antivirus engines and detect over 99% of known malware.



Deep Content Disarm and Reconstruction (CDR)

Recursively sanitize 150+ file types with market leading Deep CDR technology and remove 100% of potential threats.



Proactive Data Loss Prevention

Remove, redact, or watermark sensitive data in files before it enters or leaves your network.



No Return Path

One-way data flows are enforced by a unidirectional optical connection between the server pair.



Scalable

Choose 100 Mbps, 1 Gbps, or 10 Gbps throughput.



High-Availability

With the purchase of a second Optical Diode, enable high-availability configurations [active/standby].



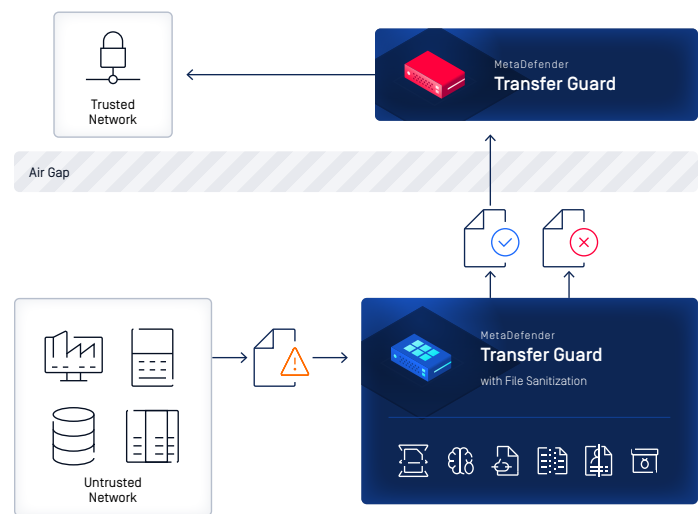
Industrial Cybersecurity Compliance

NERC CIP, NIST ICS/CSF/800-82/800-53, IEC 62443, NRC 5.71, CFATS, ISO 27001/27032/27103, ANSSI, IIC SF, and more. Protects against industrial attack techniques outlined by MITRE ATT&CK.



Benefits

- Airtight protection for OT/ICS-to-IT communication
- Secure, segmented, unidirectional data paths
- True protocol break, non-routable connection
- Easy deployment and operation
- Isolates OT/ICS assets against cyberattacks
- Prevent malicious C&C communications
- Seamlessly integrates with MetaDefender Kiosk, Core, and Managed File Transfer
- Secures the transfer of software updates and other files to the protected domain



Specifications

Electrical	
Redundant Power Supply	250W
Voltage	100–240VAC, auto ranging
Power Consumption	150W typical
Hardware	
Dimensions	2x 19 x 1.75 x 15.75" (483 x 44 x 400mm)
Weight	2x 27lb (12.2kg)
Operating Temp	32 to 131°F [0 to 55°C]
MTBF	>50,000 hours
Mounting	1U rack kit included

Other Specifications	
Connectivity	2x USB for connecting provided crypto keys
Tested Latency ¹	0.6ms TCP, 0.7ms UDP
Protocol & Certification	
File System	FTP, SFTP Folder and file transfer/copy Windows File Share SMB, CIFS Antivirus updates Patch [WSUS] updates
Certification	Common Criteria EAL 4+ ² FCC/CE/UKCA
1. Actual latency results may vary according to setup used, traffic characteristics, and network topology. 2. Certification pending.	