

METADEFENDER™

# Diode X

Previously Transfer Guard

## Uncompromising Secure File Transfer with Comprehensive Threat Prevention

MetaDefender Diode X ensures uncompromising security for file transfers between networks of different security classifications, providing a secure file scanning and transfer solution that delivers unsurpassed performance, reliability, and security. MetaDefender Diode X integrates OPSWAT's award-winning MetaDefender Core file sanitization engine. MetaDefender Core thoroughly scans and sanitizes files before they are securely transferred by MetaDefender Diode X 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

**Predictive Alin AI (Zero-Day Threat Detection)**

Predicts file-level risk before execution with a 0.1% false positive rate, no detonation required.

**Metascan™ Multiscanning**

Quickly scan all files with up to 20 antivirus engines to strengthen detection of known malware.

**Deep CDR™ Technology**

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

**Proactive DLP™**

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**

We offer a 100Mbps base platform that can be field upgraded to 1Gbps. Additionally, we offer an option for 10Gbps delivered on enterprise servers.

**High-Availability**

With the purchase of a second Diode X, enable high-availability configurations (active/standby).

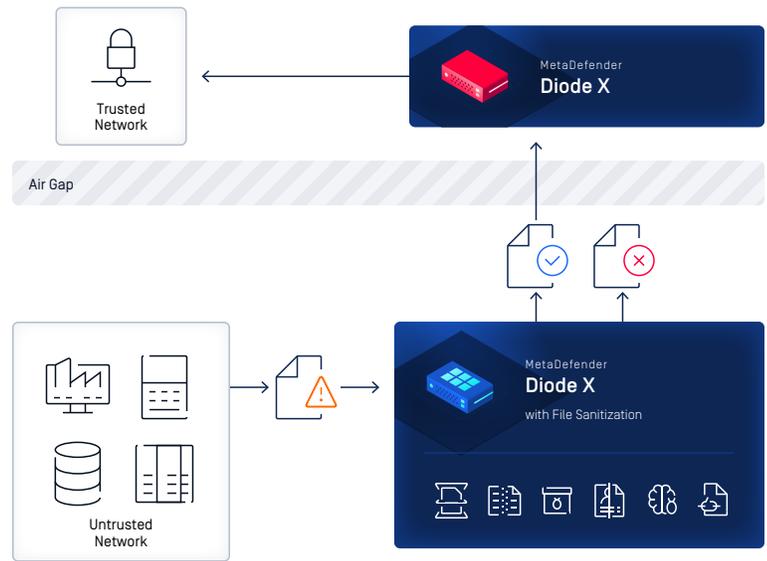
**Industrial Cybersecurity Compliance**

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

- Secure file transfer between networks of different security classifications
- Secure, hardware enforced 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*	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
Streaming	HTTPS Syslog TCP UDP
Certification	Common Criteria EAL 4+ FCC/CE/UKCA

\*Actual latency results may vary according to setup used, traffic characteristics, and network topology.