

## Guaranteed defence of secrets, mission-critical assets and operations.

For the most critical environments, regular security measures such as air-gapped networks or firewalls are simply not enough to confidently protect against advanced persistent threats. Whether for classified government networks, critical production sites or vital infrastructures, the Fox DataDiode brings together strict security and high accessibility into one product. It **guarantees a one-way data flow** in real-time over a lightning-fast data connection of up to 10 Gbps, with minimal maintenance and a low total cost of ownership.

The Fox DataDiode is certified up to Common Criteria EAL7+, NATO COSMIC TOP SECRET and is Tempest Level A compliant, making it the single most secure solution for your most critical environments.

### 1. PROTECTING SECRETS

#### How do I confidently protect highly sensitive or classified information?

For highly sensitive government, defence and corporate environments.

##### Secure your most confidential data

When your adversaries include determined state actors, you need a defence with the lowest number of potential attack vectors.

##### Hardware-based one-way traffic, no backdoors

Prevent infiltration and exfiltration attempts on your network by forcing one-way data traffic. With no need for constant security upgrades, you can mitigate the risk of backdoors or side-channel attacks.

##### 24/7 availability at lightning speed

Fox DataDiode provides continuous safe access to your data vaults, 24/7, 365 days a year, at up to 10Gbps.

### 2. PROTECTING ASSETS

#### How do I protect my most critical assets and operations?

For industrial manufacturing and critical infrastructure.

##### Guarantee system integrity

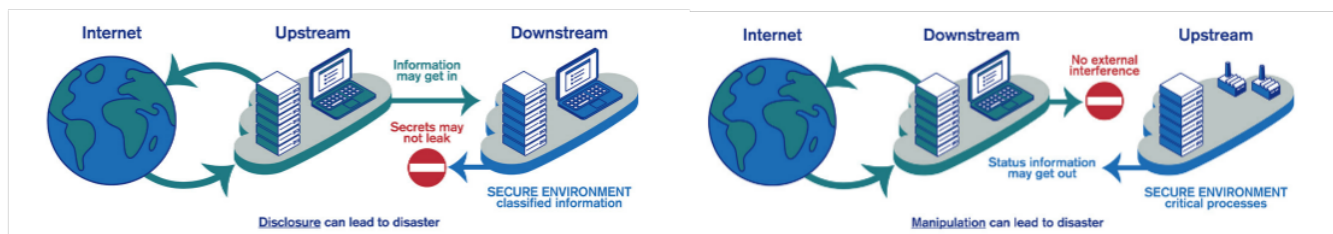
Guarantee the integrity of physical devices and processes in production systems by only allowing a one-way flow to databases or monitoring stations.

##### Set up a central monitoring location

Remotely check in on multiple plants, logistical hubs and production sites, without accessing individual networks – keeping their availability and integrity protected.

##### Share OT data with your Corporate IT network

Feed production data to your IT network in real-time – without the danger of exposing critical control systems to digital threats from the outside world.



Lightning fast,  
guaranteed  
one-way traffic  
up to 10Gbps

COMPLETE SUITE:  
hardware,  
software, service  
and consultancy

CC EAL7+  
NATO COSMIC  
TOP SECRET

Want to learn more? Reach out to your local Fox DataDiode partner or get in touch with us directly via [internationalsales@foxcrypto.com](mailto:internationalsales@foxcrypto.com)

# A comprehensive security solution that combines ruggedised hardware, powerful software and expert consultancy.

At Fox-IT, we have over 20 years of experience in IT security and offer a global partner network. We provide turnkey implementation, training and tailor-made solutions that fit your requirements. All our consultants are experienced working with highly sensitive data, including the protection of Dutch State secrets.

## Key benefits

- 100% security and regulatory compliance: With the highest available certifications, including Common Criteria EAL7+, NATO COSMIC TOP SECRET and Tempest Level A compliance
- Lightning fast: Reaches speeds of up to 10Gbps
- Low TCO and low maintenance
- Pure hardware: Traffic flows through an optical connection with one receiver and one transmitter, making it physically impossible for data to flow the other way
- Complete suite: Including a ruggedised 1U data diode unit, proxy servers, software and support
- High availability deployment to ensure redundancy
- Expert consultancy: Fox-IT offers implementation, training and tailored solutions
- Global partner network: Ensuring smooth implementation and support coverage in the most mission-critical environments

## Hardware features

- Redundant power supply (230V, Active power: 3.6W)
- Industry-standard fibre-optic LC connectors at rear
- Rugged coated steel and anodised aluminium casing
- Extended temperature and humidity range
- Tempest level-A compliance by design
- Shock and vibration resistant: truck, rail, air (non-operational) ASTM D 4728



## Supported protocols

- FTP, SFTP, SCP
- Samba/SMB, NFS and CIFS
- NTP
- SMTP
- Syslog
- SNMP traps
- Streaming TCP and UDP (multicast and unicast)
- WSUS replication
- Modbus, OPC and PI
- Splunk forwarder
- Database replication using GoldenGate or SharePlex. Including: Oracle DBMS, MySQL and MSSQL
- HTTP(S) and REST API
- AMQP

## Supported use cases

- File and (video) stream replication
- Active Directory integration
- Secure copy/paste from black to red environments
- Data channel prioritisation
- Printer sharing
- Notifications by email, syslog and SNMP
- Windows updates
- Antivirus updates
- Linux repository updates
- Data curation and filtering for input security checks
- Simple remote desktop
- Backup vault

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