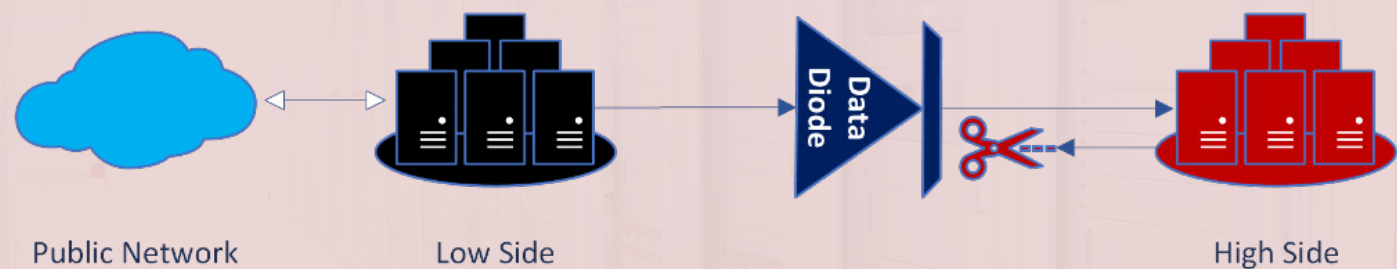


About Us

TREX FZE is a UAE-born cyber-security company that safeguards critical networks with next-generation data diodes.

Our tailor-made, uni-directional solutions deliver up to 100 Gbps throughput, pairing unrivalled speed with rock-solid scalability and security.



Stay In Touch

Website : <https://trex.ae>

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Unbreakable
Data
Security



Advanced Features

Memory-Safe Codebase

eliminates buffer-overflow and injection risks at the source.

Per-File Integrity Check

cryptographically verifies every byte in transit.

Unique File IDs

UUID tagging gives forensic-grade traceability.

Data Stream Filtering

allow/deny lists stops unwanted traffic.

RESTful API

plug straight into 3rd party applications and orchestration pipelines.

Containerized Deployment

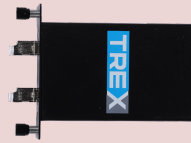
enhanced portability and isolation, seamlessly running inside Docker environments

Clustering & Load-Balancing

scale horizontally while maintaining 99.999 % uptime.



Our Products



1-10 Gbps

RAW Data Diode

RAW Data Diode for special use cases. Well suited for devices isolation.



1 Gbps

Tx / Rx PCIe Card

Well suited for small to medium uni-directional files traffic or TCP / UDP data streams



10 Gbps

Tx / Rx PCIe Card

Well suited for medium to large uni-directional files traffic or multiple TCP / UDP data streams



100 Gbps

Tx / Rx PCIe Card

Well suited for multiple very large uni-directional TCP / UDP data streams

Supported Modes

File Transfer

Sensitive files can be securely moved while ensuring no reverse communication or malicious data can penetrate the secure network. This method is often used in military, industrial, and critical infrastructure environments

Storage Synchronization

Sensitive files in a less secure network (low side) can be synchronized safely to a more secure network (high side). Clustering and load-balancing supported in this mode

TCP / UDP Data Streams

Sensitive data streams from a less secure network (low side) to a more secure network (high side). Data streams, such as video feeds or real-time telemetry, can be securely transmitted to the high side without compromising the integrity of the secure network.