

# TrustBox Diode

In case a firewall doesn't cover the requirements of your security posture, Scalys' data diodes add an additional layer of 'defense in depth' to prevent a data breach.

Our unidirectional network communication device separates the source and destination networks with a one-direction data transfer and thus minimizes entry points of attack.



You rely on the data generated from the critical processes connected to your OT-network for your business. This involves a connection between the OT- and IT-Network, but you need to be sure that the processes and data collected are secure from malicious actors and potential security risks that could compromise your business continuity. Are you aware of these risks and have you taken steps to ensure the security of your OT-network and data?



## POSSIBLE THREATS

-  Data Theft
-  Data Destruction
-  Malware
-  Human Error
-  Man-in-the-Middle (MitM) Attacks

## THE TRUSTBOX DIODE SECURES

The TrustBox Diode is an essential tool when it comes to safeguarding your network from malicious actors. It creates unidirectional communication between two networks, allowing data to travel only one way, from OT to IT-networks and vice versa. Reducing the potential vulnerability of your network by eliminating entry points of attacks. Shielding network operation and therefore maintaining business continuity.

Our TrustBox Diode uses the following measures for increased cyber resilience.

- Source and destination networks separation (ingress and egress), both Physical and electrical.
- One-way data transfer between networks.
- Hardware enforced one-way data flow.
- Uncompromised, unmodifiable deterministic mechanism.
- Separation of OT and IT networks

## PROTECTION OF CRITICAL SYSTEMS AND NETWORKS

The TrustBox Diode offers enhanced cyber security for your business. The hardware enforced separation of OT- and IT-networks keeps malicious actors out, safeguarding your data, intellectual property, and business continuity.



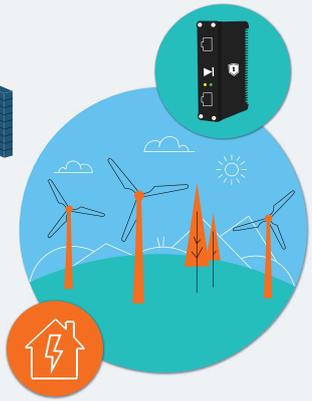
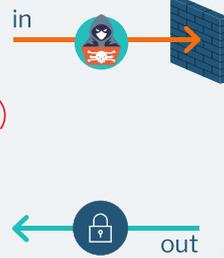
TrustBox Diode



it/network  
datacenter



global network



ot/network  
critical infrastructure

## TRUSTBOX CONNECT TECHNICAL SPECIFICATIONS

**Dimensions:**

140mm 100mm 35mm (lwh)

**Weight:**

200g

**Power Supply:**

7.5W Max

**Ports:**

2 x Ethernet, 1 x USB 3.0

**Throughput:**

1 x 1Gbps

**Chip:**

Dual TrustSom RZ/V2L Cortex® A55,  
Cortex® M33 x2

**Memory:**

4GB DDR4 x2

**Storage:**

16GB eMMC

**Compatibility:**

DIN-rail mount



Scalys is the leader in cyber-secure communication. Our hardware hardened solutions secure companies around the globe and protect them from cyber threats.

Our products are Secure by Design. To ensure that devices are protected from the outset, cyber security must be addressed from the start of design. Through continuous innovation, collaboration and development, we ensure our position as leader in the market.

For more information visit: [scalys.com](https://scalys.com)