

# NEXOR DATA DIODE

## EAL7+, GUARANTEED ONE-WAY DATA FLOW

The Nexor Data Diode is evaluated to Common Criteria EAL7+ and guarantees that data is only permitted to physically flow in a single direction, thereby enabling secure data transfer to the isolated network(s).



In high security environments, it is often difficult to make a physical connection between different networks but there is still a need to share information.

Consequently, a common form of data transfer is the “Air Gap” – physically transferring the information via USB stick, DVD or other portable storage media. However, these portable devices become a security risk in their own right.

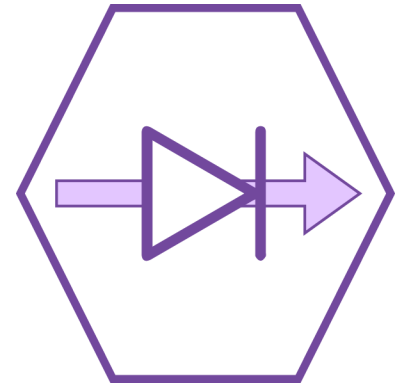
As this method is not in real-time, this approach also becomes impractical with today’s information volumes and time pressures. In many instances, networks are therefore joined to overcome these issues without suitable levels of security or protection being put in place beforehand.

The Nexor Data Diode is an EAL7+ evaluated solution (the highest certification possible) which, due to its physical design, will only allow data transfer in one direction unlike technologies such as firewalls. This gives a 100% guarantee that no data can ever leak back to the untrusted network.

Originally developed for use by defence and government organisations, the Nexor Data Diode is used in environments that require high assurance solutions.

The Nexor Data Diode has been deployed in a variety of secure environments including file importing; system updates; network monitoring; print management; camera control; and process control interfaces.

A full technical specification sheet for the Nexor Data Diode is available upon request.



## FLOW CONTROL

The Nexor Data Diode is a Flow Control component. They ensure that data is travelling in the direction that it is intended to and helps prevent covert channels.

The Flow Control component reduces the attack surface on components further down the line by reducing the ability for unauthorised data transfer to those components.

## KEY FEATURES

- 100% guaranteed one-way information exchange
- Common Criteria EAL7+ evaluated
- High transfer speed and data reliability
- High throughput, ruggedised and small form factor options available

## KEY BENEFITS

- Secure data transfer to the isolated network(s)
- Prevents data leakage from secure networks

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