DATA SHEET

OWL Cyber Defense

ReCon™

One Device. Two Way. Zero Risk.

SECURE BI-DIRECTIONAL DATA DIODE COMMUNICATION, ABSOLUTE NETWORK SEGMENTATION

Possible use case scenarios:

- Communication between client and server
- Remote access
- Remote command and control
- Remote monitoring
- Safety system isolation
- No direct pass through of TCP/IP traffic

BI-DIRECTIONAL-HARDWARE ADVANTAGE

ReCon is a hardware-based cybersecurity solution utilizing two independent data diodes. Housed within a 1U standard rack-mountable enclosure, each one-way path within ReCon is completely independent from the other. The separate paths each enable only one direction (send or receive) of the data transfer, together creating a complete bi-directional pathway in one device.

Digital transformation creates both opportunity and risk for today's data-driven organizations. They are challenged with navigating the convergence of OT and IT systems, the emergence of the IoT and IIoT, and limiting or reducing the attack surfaces of their networks. As the evolution of this digital transformation unfolds and more networks and devices are connected, security concerns will only continue to grow.

To address this pressing need for security, hardware-enforced data diodes have been proven time and again to protect the OT networks, however, in some cases, organizations need to secure bidirectional communications that cannot be one-way.

The ReCon solution was designed to combine the same proven security benefits of a hardware-enforced data diode cybersecurity solution with the ability to provide secure round trip, bidirectional communication. ReCon enables organizations to maintain secure two-way connections between networks, while reducing their attack surface with much higher security assurance than traditional firewalls.

Defense-in-Depth security at multiple capacities

ReCon follows the Department of Homeland Security's (DHS) guidance for securing applications that cannot be one-way. Housed within a 1U standard rack-mountable enclosure, the solution is available in mid and high capacity models to better align with customer's security and budgetary requirements.

- Fixed destination IP address
  - + Ensures that communication can only be directed to a single destination IP address
- Secure remote command and control
  - + Enables secure remote command and control with less risk than firewall-based security
- Restricted session initiation
  - + TCP/IP connection can only be initiated from the trusted source side network. Destination side cannot initiate communication into the device.