

OWL ADVANTAGE

THE GOLD STANDARD IN DATA DIODE TECHNOLOGY

Protecting Mobile Technology

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Data-dependent organizations are under constant pressure to increase access to the data and applications required to perform job functions. With that comes the natural turn to utilize mobile technologies, including cellular phones and handheld devices, wearable technology, laptops, and even drones and vehicles, to connect anywhere, at any time. However, connecting each of these devices creates a possible new threat vector, both to the enterprise, and to the devices themselves.




The Owl Solution

Recognizing that mobile technologies represent the future of the connected, data-driven world, Owl has developed new data diode cybersecurity solutions that even now have far outpaced the market for hardware-enforced security. While some solutions fully developed and in use today, Owl continues to create new, smaller, more powerful, and more resilient prototype solutions to help protect the mobile technologies of tomorrow.

KEY FEATURES

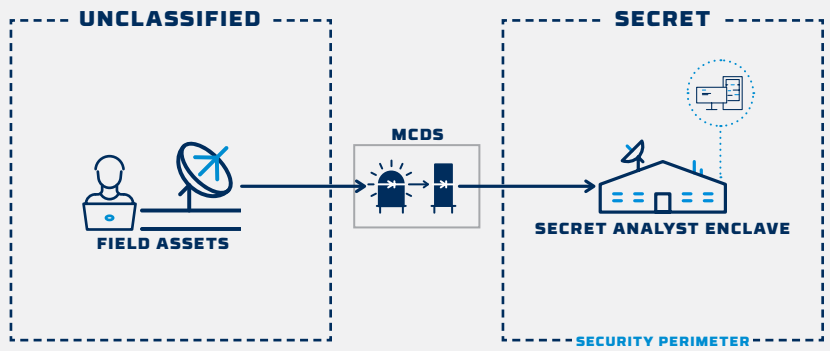
- World's smallest complete data diodes, down to the size of a U.S. quarter
- Unhackable, patented hardware-enforced technology
- Designed to be connected to or embedded in small connected devices
- Protects mobile devices without disrupting data transmission and collection
- Micro-segment individual devices or protect a group of devices behind a single data diode

Mobile / Tactical Products

PRODUCTS	DESCRIPTION	IMAGE
MCDS	The MCDS product line was developed to provide the robust capabilities of Owl's cross domain solutions in a miniaturized form factor. Their small size, weight and power (SWaP) profile make them perfect for dismounted soldiers, mobile devices, or vehicles.	
MPDS-RS232	Utilizes Owl's patented DualDiode Technology™ to provide a reliable one-way data transfer over an optical isolator. The MPDS securely isolates all RS-232 pins with a hardware enforced circuit, high-to-low or low-to-high.	
SCOWT	This new cross domain solution is designed for field/tactical use, including onboard vehicle systems monitoring, full-motion video, sensor data, and more.	

MCDS IN ACTION

Assets on the ground collect field data on a secured tablet device. To send the collected data back to an enclave for analysis, an MCDS is utilized to transmit the data one-way to the enclave, without exposing the tablet to external access. The deterministic, hardware-enforced device provides the highest assurance of confidentiality and data integrity.



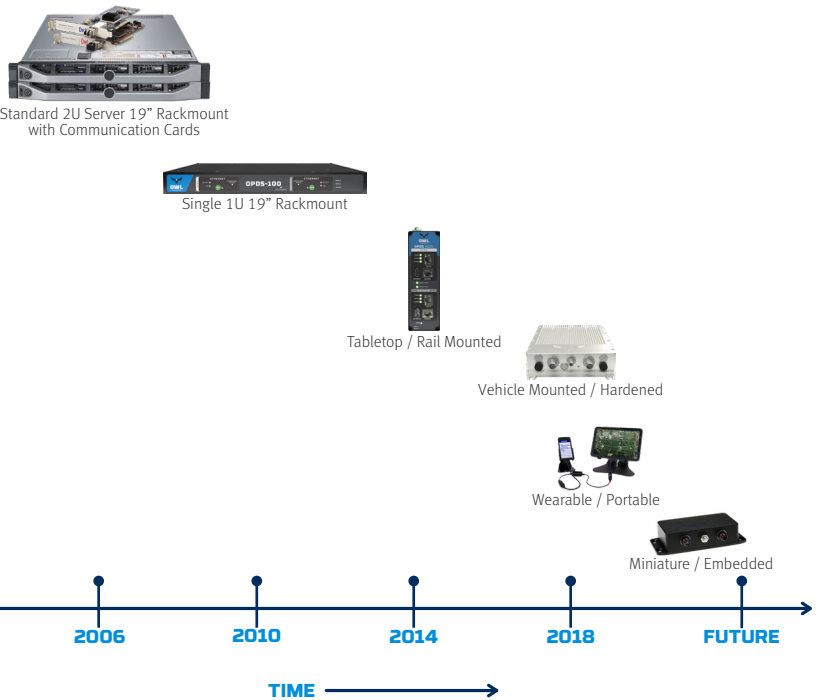
THE FUTURE OF DATA DIODES

Our miniaturized data diode technology has already made its way into a few products and a number of prototypes and as an engineering company we are always interested in new ideas and ways to use the technology. If you have an idea for a use case, we'd love to hear about it!

ENTERPRISE

LOWER SWAP REQ'S
(Size, Weight, and Power)

MOBILE



OWL Cyber Defense

Owl Cyber Defense Solutions, LLC leads the world in data diode and cross domain network cybersecurity. With a constant focus on customers in the military, government, critical infrastructure, and commercial communities, Owl develops market-first, one-way data transfer products to meet a variety of operational needs, from entry level to enterprise.

For more information on Owl, or to schedule a demo, visit www.owlcyberdefense.com