

MCDS

Miniaturized Cross Domain Solution



Rugged, Small Form-Factor

Users have expressed a growing need for a small form-factor, rugged, one-way data transfer product, that will withstand a wide range of tactical operating conditions, including provision to the individual, dismounted, warfighter. Owl has migrated its proprietary data diode technology to such a platform, to deliver a reliable, cost-effective product with adequate bandwidth and speed for tactical, fully portable, deployment.

The Owl Solution

The MCDS product line was developed to provide the robust capabilities of Owl's Cross Domain Solutions in a miniaturized form factor. With the full capability to isolate networks, transfer data and connect Unclassified networks to Secret networks, the miniaturized solutions are designed to satisfy the requirements of highly mobile, tactical missions. Their small size, weight and power (SWaP) profile make them perfect for dismounted soldiers, embedded vehicle computers or any other environments where size and weight considerations are critical.

Due to the broad acceptance of Android devices, with their potential value in field-forward scenarios, Owl has responded with support for handhelds and tablets running various versions of the Android™ platform operating system. Tailored from Owl's accredited full-sized CDS solutions, our game-changing mobile solutions are readily deployable. Our USB data diode technology permits the direct connection of mobile devices (laptops, tablets, smartphones) to highly sensitive networks. And with solutions the "size of a quarter," the Owl MCDS is the most portable CDS on the market.

TECHNOLOGY AVAILABLE TODAY

- The Owl MCDS one-way USB technology is fully functional today, with channel capacity of approximately 2 Mbps. Power consumption is very low. The form factor shown may be significantly reduced in high-volume quantities for added security. Data filters and device identification signatures may be enabled on the device.

Ruggedized Warfighter Cross-Domain

This instance of the Owl MCDS device has been designed with standard USB interfaces — a Send-only USB device and a Receive-only USB device, physically isolated from each other by an integrated opto-coupler. Send and Receive sides of MCDS are configured to connect only to devices enumerated as valid source and destination. Incorrect setup cannot be made operable. Owl USB data diode technology permits the direct connection to sensitive networks of mobile devices, such as laptops and PDAs. Also, Owl MCDS is useful in securely porting field devices to embedded on-board computers in vehicles, or in other dynamic environments.

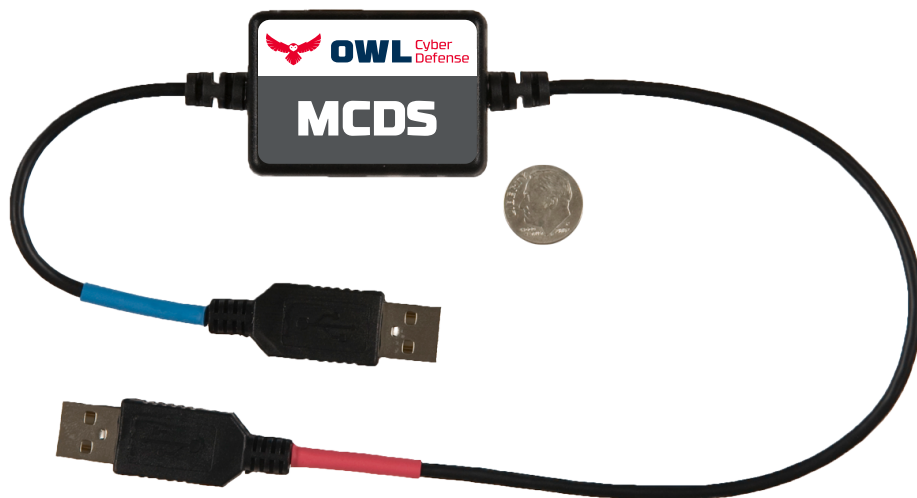
These easy-to-establish connections permit one-way data transfer from the mobile, or embedded device, to a high confidentiality network; or one-way transfer of data from a high-integrity data source network to the mobile, or embedded device. From low to high, one-way security policy absolutely assures the confidentiality of the high security domain. From high to low, one-way security policy prevents penetration of the high-security domain, assuring that data transfer can only be initiated from the high side.

WARRANTY & SUPPORT

- Ninety (90) day hardware warranty with technical services (hotline service, software support and updates) and documentation (Installation Guide and Administration Manual)
- Annual Technical Services Option (ATSO)

Support For Smartphones and Tablets, Bring-Your-Own-Device (BYOD)

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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



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