

USE CASE

Portable Media Threat Protection at the Point of Entry

Secure multi-layer, simple sanitization of removable media in minutes

Summary

Challenge

Need to inspect and sanitize files carried on removable media before they enter classified or closed networks, without missing zero-day threats.

Solution

XD Air 6™'s known-good content filtering and layered AV/CDR engines catch what signature-based scanning alone misses.

Benefits

Operators get a walk-up kiosk that clears files for entry in minutes, while security teams gain confidence that zero-day and targeted threats are caught before reaching the network.

Challenge: Removable Media Is a Fast Path Inside

Removable media remains one of the fastest paths into classified and otherwise closed networks, often carried by trusted users unaware of what they hold. Most antivirus tools only catch malware they have already seen, leaving zero-day exploits and targeted attacks free to slip through. Device-control policies block unauthorized hardware but inspect nothing on approved media, and encrypted storage protects the drive, not what is stored on it. Organizations need to inspect and sanitize every file crossing the boundary without slowing operators down.

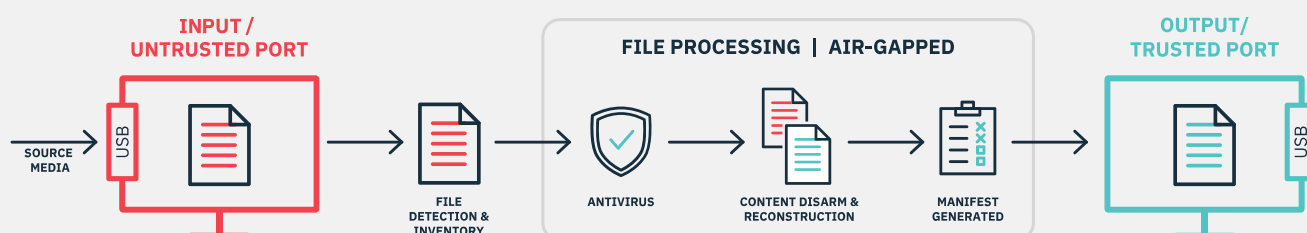
Solution: XD Air 6™, A Rugged Checkpoint That Catches What Signatures Miss

XD Air 6™ is Owl Cyber Defense's all-in-one, rugged kiosk built to inspect, clean, and safely transfer files carried on removable media. Instead of relying only on known-bad signatures, its dual CDR engines, check every file against known-good references, rejecting or rebuilding anything that does not match. Multiple antivirus engines run alongside the CDR engines for layered detection. Powered by the ruggedized Panasonic Toughbook 40 on a hardened, non-ITAR platform, XD Air 6™ deploys anywhere protection is needed.

Results

- Catches zero-day exploits and targeted attacks that signature-based antivirus and device locks miss entirely
- Clears files for entry in minutes with straightforward, walk-up kiosk operation
- Deploys anywhere with a rugged, non-ITAR platform that runs fully disconnected, with no cloud dependency

How It Works



An operator inserts source media into the XD Air 6™ kiosk. The Filter Component scans every file with multiple antivirus engines alongside CDR engines, checking files against known-good references rather than signatures alone. Files that do not match expected type are rejected or rebuilt. The Media Component writes only sanitized copies to new media.



XD Air 6™: Portable Media Threat Protection

XD Air 6™ is Owl Cyber Defense's all-in-one kiosk for portable media threat protection. It inspects and sanitizes removable media via multiple, independent layers of security, including multiple antivirus engines alongside dual CDR engines to catch zero-day exploits and targeted attacks signature-based tools miss. Running on a hardened, field-ready platform with no cloud dependency, XD Air 6™ gives operators a fast, walk-up way to clear files before entry.



Owl Cyber Defense Solutions, LLC, headquartered in Columbia, MD, leads the industry in data diode and cross-domain network cybersecurity solutions for faster, safer and smarter decision making. We create solutions tailored for high-risk sectors including the military, government and critical infrastructure. Our advanced technologies enable secure, near-instantaneous collaboration, bridging network barriers to protect critical missions. With a focus on scalability and interoperability, Owl ensures that organizations can maintain secure, reliable, and compliant communication channels against evolving cyber threats.

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

