OT SECURITY SOLUTION

ORing Portable Shield

Write-Governed Secure USB for Air-Gapped Environments

Next-generation USB security with **hardware-level write governance**. Unlike traditional USB drives where the OS controls all writes, ORing Portable Shield ensures that **only authorized operations** can modify stored data — providing unmatched protection against malware infiltration and data tampering.

0	**3**	**12**
Zero Unauthorized Writes	**Three Security Pillars**	**Compliance Frameworks**
Hardware-enforced governance — OS cannot modify storage directly	Controlled Device • Malware-Free • Full Audit Trail	Audit-ready PDF reports for major standards

🛡 SECURITY HIGHLIGHTS

👁 Invisible Storage Technology

Data remains completely hidden from unauthorized systems. Without the OPS application, the storage volume is invisible — no drive letter, no file access.

🔒 Tamper-Proof Write Control

Hardware-enforced write protection ensures data cannot be modified by unauthorized processes. Proprietary storage architecture provides evidence-grade data integrity.

💼 USE CASES

🛡 OT Maintenance & Patch Delivery

Safely transfer firmware updates, configuration files, and patches to air-gapped OT systems. All files are scanned before transfer, ensuring malware-free delivery to critical endpoints.

📄 Forensic Evidence Collection

Collect log files and system data with tamper-proof integrity for legal proceedings. Hardware write protection ensures evidence cannot be modified after collection.

🏅 COMPLIANCE FRAMEWORKS SUPPORTED

ISO/IEC 27001 2022	IEC 62443 4.2	SEMI E187 2022	NIST CSF 2.0	HIPAA Security 2024	PCI DSS 4.0
GCB/CIS Benchmarks 1.0	**NIS2 Directive** 2024	**EU CRA** 2024	**NERC CIP** 2024	**FDA 21 CFR 11** 2024	**CMMC** 2.0

Generate **audit-ready PDF reports** for all 12 standards — completely offline

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⚙ TECHNICAL SPECIFICATIONS

Form Factor	USB 3.0 **Type-A / Type-C Dual-Head** Portable Device
Storage Capacity	**128 GB** with Hardware-Encrypted Secure Partition
Encryption	**AES-256** Hardware Encryption
OS Compatibility	Windows XP ~ 11, Windows Server 2003 ~ 2022
Scan Mode	**Agentless** — No Installation, No Reboot Required
Malware Engine	Enterprise-Grade (Offline: 71.1% | Online: **99.9%** Protection)
Report Output	PDF Compliance Reports (EN / ZH-TW / ZH-CN / JA)
LED Indicators	Status, Alert, Activity Progress
Operating Temp	0°C to 70°C (32°F to 158°F)
Humidity	20% to 90% Non-condensing
Warranty	1 Year Limited (Extendable via License Renewal)

✨ KEY FEATURES

1 Zero Installation Scanning

Plug-and-scan operation with no agent installation. Eliminates compatibility issues and avoids system instability.

2 Offline-First Architecture

Full functionality without network connectivity. Perfect for air-gapped environments.

3 Centralized Policy Management

Enterprise-wide security policy deployment through ORing Vision platform.

4 Passive OT Asset Discovery

Collect endpoint metadata during scanning for asset inventory visibility.

🏛 TARGET INDUSTRIES

⚙ Manufacturing & OT	🖥 Semiconductor Fab	⚡ Energy & Utilities	💗 Healthcare & Pharma
🏛 **Government & Defense**	💳 **Financial Services**	🚚 **Transportation**	📡 **Critical Infrastructure**

ORing ×

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