



Competitive Analysis – Summary

A detailed comparison of leading Data Diode solutions in terms of technology, performance, and cost-effectiveness.

Overview

This analysis compares major Data Diode manufacturers and highlights how **AlienSGuard** stands out with its high-speed, hardware-enforced one-way data protection, designed for both **IT and OT environments** at a significantly **lower cost of ownership**.

Comparison Parameters	 FOX IT FOR A MORE SECURE SOCIETY	 WATERFALL® Stronger Than Firewalls	 Owl Computing Technologies, Inc.	 ALIENSGUARD
PRODUCTS / SKUS	Data Diode Ruggedized-10G	WF-500-TX WF-500-RX	OPDS100 OPDS1000D	AG-ORCA-1G AG-MAXIMUS-10G
SUPPORTED PROTOCOLS	TCP UDP File and Directory	TCP UDP IP Video & Audio	Syslog TCP Transfers UDP Transfers FTP/SFTP	Syslog UDP/TCP Audio/Video SFTP, SMTP OPSWAT RAW UDP/TCP
INPUT / OUTPUT	In: Duplex "SC" connector Out: Simplex "SC" Connector	Ethernet (RJ45)	Ethernet (RJ45)	Optical
TRANSFER RATE	1.2 Gbps	1000 Mbps	1 Gbps	1 Gbps 10 Gbps
COST OF OWNERSHIP	High	High	Very High	Low

Why Choose AliensGuard Data Diode

- Hardware-enforced one-way communication (physically impossible to hack)
 - Supports IT, OT, and Cloud integration
 - Scalable speed — up to 40 Gbps (under R&D)
 - Affordable total cost of ownership
 - Global R&D support and partner-ready model
 - Compact **1U rack-mountable design**, allowing **easy installation** with minimal effort
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Key Takeaway

AliensGuard delivers next-generation Data Diode technology with unmatched speed, scalability, and affordability — redefining hardware-based cyber security for critical infrastructure.

<https://www.aliensguard.ae>