



Adaptive Cybersecurity for Shop Floor Protection



The TXOne Networks ICS Cybersecurity Suite

Intra zone network segmentation with in-depth protocols, network policy control, and virtual patching for vulnerable assets. Manage the unmanageable with this purpose-built ICS endpoint security solution.

In this era of digital transformation, the number of attack surfaces in your OT environment are steadily increasing, and cybersecurity countermeasure planning steadily becomes more and more urgent. Network infrastructure, legacy equipment, and unmanaged IoT/ICS devices all require mindful cyber threat evaluation. For asset owners, any investment in countermeasures must weigh the total cost of ownership – especially for operational

continuity. Conventional IT cybersecurity countermeasures are ill-suited to your mission critical environments, where every patch and update process comes with significant costs as the operation is brought to a halt. The TXOne Networks Cybersecurity Suite is the ICS environment specially adapted for shop floor protection (below level 3 on the Purdue reference model). This solution requires no changes to existing architecture, maintaining a focus on ICS Security Architecture and ICS Security Control.

Main Features



Intra Zone Network Segmentation

Our next-generation firewall enables network segmentation and segregation, dividing the network into different zones of control all the way down to the cell level.



Endpoint Lockdown

Intelligent whitelisting enables the lockdown of critical endpoints, granting cybersecurity immunity without constant updates.



Virtual Patching

Rock-solid cyber defense for the legacy systems and unpatched devices that make up the backbone of your production line, ensuring uninterrupted operation.



Installation-Free Malware Inspection

Portable USB malware scanning equipment allows you to conduct security scans on your air-gapped environment, requiring no software installation.



Network Whitelisting

Streamline daily OT operations through whitelist-based network access control and attack prevention, designed to grant in-depth cyber defense to your critical assets.



Management Visibility

Both individual and central visibility consoles are included for defense line management and group policy deployment.

TXOne Networks ICS Cybersecurity Suite

• Network Defense

TXOne's Network Defense technology focuses on network segmentation and isolation. EdgeIPS™ and EdgeFire™ industrial control network cybersecurity hardware, developed by TXOne Networks, use the most advanced TXODI™ core technology (supporting more than 50+ IT / OT communication protocols for TXOne's DPI, including Modbus, MITSUBISHI-SLMP, CC-Link IE, EthernetIP / CIP, Profinet, and more) for ICS network filtering to achieve network segmentation and isolation for security zone control, and even

down to isolation by security level. EdgeIPS™ and EdgeFire™ are used for network connection control. Through network whitelist control, intelligent learning settings can be made for IP locations or specific protocols. In addition, EdgeIPS™ and EdgeFire™ also use "virtual patch protection technology" and work with Trend Micro's Zero Day Initiative (ZDI)™ to isolate and block attacks against known vulnerabilities in devices and networks.

EdgeIPS™

- Easy Deployment
- Network Whitelisting
- Virtual Patching



EdgeFire™

- NAT Deployment
- Network Whitelisting
- Virtual Patching



• Endpoint Defense

Trend Micro Safe Lock™ TXOne Edition is an intelligent whitelist lockdown control application built to block malware attacks. It does not require updates, and supports a variety of legacy operating systems (Windows 2000, Windows XP, and more), where it can run with no affect on operating performance. For air-gapped environments or endpoints where software installation is not allowed, Trend Micro Portable Security™ 3 allows for installation-free security scans. TMPS3's "plug and scan" style of operation makes it easy to work within OT personnel usage guidelines. Asset information can be also collected during the device scan, helping to improve OT visibility and eliminate shadow OT.

Trend Micro Safe Lock™ TXOne Edition

Intelligent whitelist lockdown control application to protect against malicious attack



Trend Micro Portable Security™ 3

Installation-free "plug and scan" malware inspection and asset info collection



• Visibility

TXOne Networks solutions come with their own independent console with different roles as needed for management. TXOne Networks also provide the OT Defense Console™ software and hardware for visual management, defense line management, and centralized control.

OT Defense Console™

- Centralized Management
- Device Visibility
- Defense Line Management



About TXOne Networks

TXOne Networks' mission is provide pragmatic and practical cybersecurity solutions to accelerate the progress of automation and data exchange in the industrial world.



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