



Connect



Protect



Control

## Tosibox Advanced Network Traffic Analytics (ANTA)

### TosiANTA: Redefining Real OT Network Control Through Comprehensive Visibility

## Real control starts with real visibility—and most organizations have neither.

Your OT network is under constant attack, yet achieving comprehensive network control remains challenging. Despite 83% of OT leaders reporting at least one security breach in the past three years<sup>1</sup>, most still operate with visibility gaps across their infrastructure. Without comprehensive visibility into every device, every protocol, and every data flow, traditional tools leave critical blind spots that attackers can exploit.

### TosiANTA redefines what real OT network control means by delivering three essential elements:

- **Comprehensive Asset Visibility:** Real-time discovery and monitoring of every connected device, regardless of vendor, protocol, or location
- **Comprehensive Behavioral Intelligence:** Deep understanding of normal operations to instantly detect deviations, threats, and performance issues
- **Continuous Network Governance:** Persistent oversight and rapid response capabilities across your entire OT infrastructure

## Addressing Control Gaps in OT Networks

Industrial organizations face a complex challenge: traditional monitoring approaches create visibility gaps that leave networks vulnerable. Current tools often manage fragments of visibility across disconnected systems, creating blind spots that attackers exploit.

### Three fundamental gaps prevent real control:

- **Architecture Gaps:** Traditional monitoring tools create visibility gaps across distributed OT infrastructure, leaving critical blind spots where threats move freely
- **Understanding Gaps:** Traditional security tools built for IT environments can't comprehend industrial protocols like Modbus, DNP3, and Profinet, generating false alarms while missing real threats
- **Response Gaps:** Periodic scans and delayed alerts mean threats have already spread and operational disruptions have cascaded before teams can respond

**The result?** Organizations face escalating cyber risks, compliance challenges, and operational inefficiencies due to fragmented visibility across their OT infrastructure.

# Redefining Control: Tosibox TosiANTA

Real OT network control requires more than monitoring—it demands comprehensive visibility, intelligent analysis, and immediate response capabilities. TosiANTA delivers all three through an integrated approach that seamlessly connects with your existing infrastructure.

## TosiANTA redefines network control by providing:

### Comprehensive Visibility

- Universal asset discovery that automatically identifies every connected device, regardless of vendor or protocol
- Protocol-native understanding that comprehends industrial communications in their native languages (Modbus, DNP3, Profinet, and more)
- Persistent asset registry that maintains continuous visibility with automatic updates

### Intelligent Behavioral Analysis

- Normal baseline establishment that learns healthy network behavior for each asset and communication pattern
- Real-time anomaly detection that instantly identifies deviations, unauthorized connections, and potential threats
- Operational intelligence that spots underperforming equipment and configuration issues before they impact operations

### Immediate Response Capabilities

- High-priority alerting with contextual recommendations for rapid response
- Risk-based prioritization that distinguishes critical threats from routine anomalies
- Remote troubleshooting that enables rapid diagnosis without costly site visits

## True Network Control: Integrated, Intelligent, and Built for OT

Unlike traditional security tools that layer complexity onto already strained OT environments, TosiANTA operates as a native module within the Tosibox Platform. This integrated approach eliminates the need for additional monitoring appliances while delivering enterprise-grade capabilities across distributed industrial infrastructure.

TosiANTA represents the next evolution in OT network monitoring, moving beyond simple traffic analysis to deliver comprehensive network intelligence. Because it operates within the Tosibox fabric, it scales effortlessly across connected sites, devices, and assets—transforming fragmented visibility into unified control.



# Features and Functionality

## Asset Visibility

Continuously observes network traffic to surface all connected devices, regardless of vendor or protocol. The built-in asset registry provides persistent visibility across your OT environment.

## Prioritized Alerts

Delivers high-priority event alerts with contextual recommendations—enabling rapid troubleshooting, triage, and delegation.

## Behavior Monitoring

Detects abnormal communication patterns, new/unexpected devices, external connections, and deviations from normal asset behavior. Also identifies underperforming or misconfigured equipment.

## Fleetwide View

Provides a unified view across all connected sites, enabling centralized management of risk, uptime, and operational behavior.

## Deployed Inside Tosibox

ANTA runs as a module within the Tosibox Platform. While no new appliances are required for ANTA itself, the solution depends on Tosibox infrastructure, which includes compact hardware purpose-built for industrial environments.

# Key Benefits

## Unified Visibility & Monitoring

- Know what assets are on your network and what they're doing.
- Eliminate blind spots and fragmented tools.
- Maintain a persistent asset registry that updates automatically.

## Seamless Scalability

- Built for large-scale, resource-constrained OT environments.
- Extends across Tosibox-connected infrastructure without introducing standalone security layers.
- Operates within existing Tosibox deployment footprint.

## Real-Time Threat & Anomaly Detection

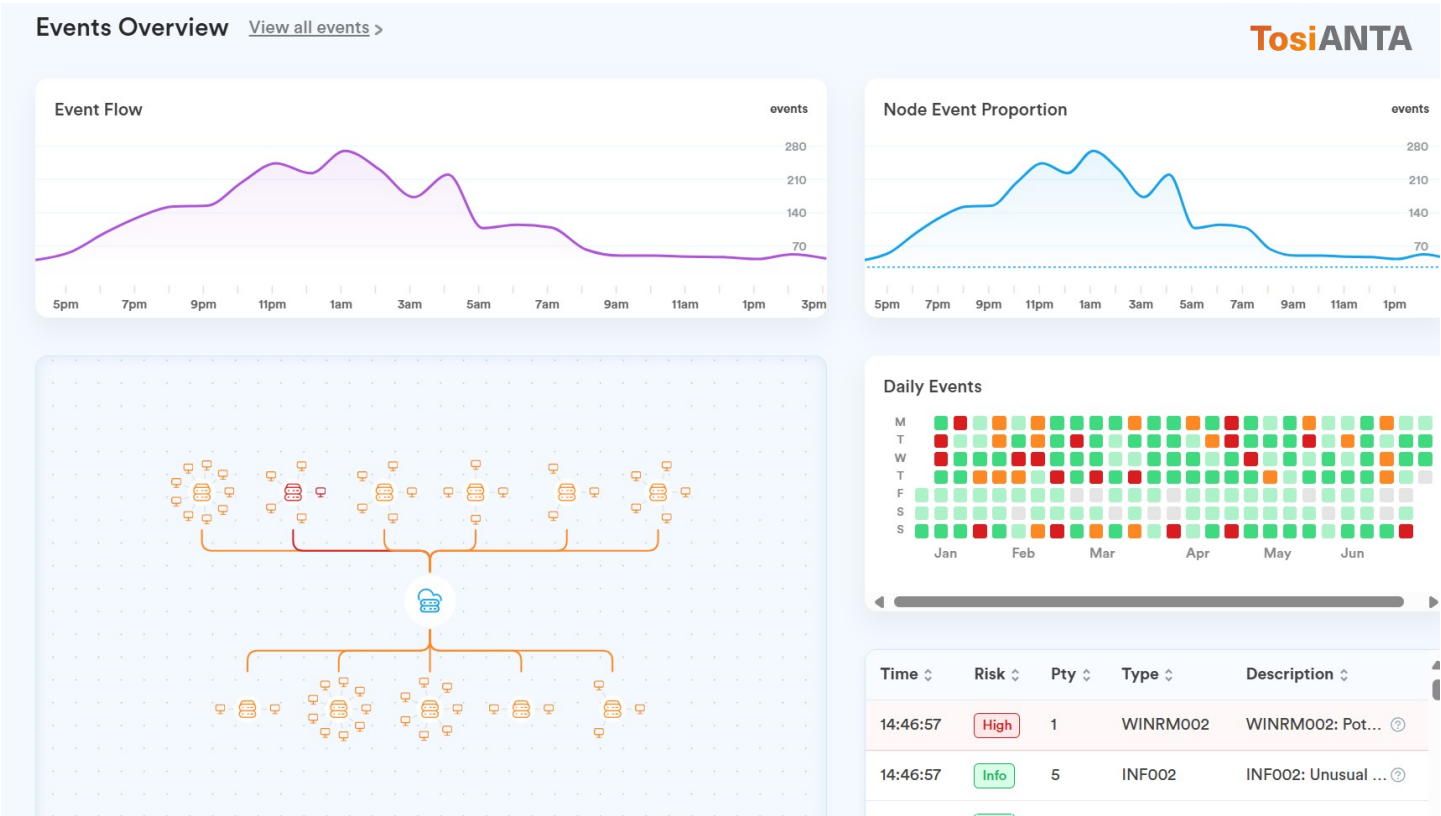
- Detect abnormal traffic, rogue devices, and risky behaviors.
- Identify potential threats before they become incidents.
- Maintain forensic records for audit and incident response.

## Operational Optimization

- Spot underperforming or failing assets quickly.
- Reduce downtime and accelerate root-cause analysis.
- Avoid costly travel and truck rolls by troubleshooting issues remotely.

## Role-Based Dashboards

- Tailored views for operations, security, and executive teams.
- Give each user exactly the insights they need.



# Why Network Control Matters Now More Than Ever

Cybersecurity, compliance, and operational resilience now demand total network control, but traditional tools were never built for distributed OT environments. With 73% of organizations experiencing OT intrusions in 2024 alone—a 49% increase from the previous year<sup>2</sup>—and 45% reporting financial impacts exceeding \$500,000<sup>3</sup>, the cost of incomplete control continues to escalate.

TosiANTA brings enterprise-grade visibility, anomaly detection, and asset intelligence to even the most remote and under-resourced sites. By combining comprehensive traffic analytics with the connectivity and security of Tosibox, TosiANTA empowers your teams to achieve true network control.

Whether you're optimizing uptime, reducing risk, or ensuring compliance, TosiANTA helps you do it with the confidence that comes from comprehensive control.

## Getting Started: Improved Network Control

TosiANTA is available as part of the Tosibox Platform, extending your ability to connect, protect, and control with comprehensive OT network visibility. No additional monitoring infrastructure is required—simply activate TosiANTA on top of your existing Tosibox deployment and immediately gain the visibility needed for true network control.

To learn more or schedule a demonstration of true OT network control, visit [tosibox.com](https://tosibox.com) or contact your Tosibox partner.

### References:

<sup>1</sup> SANS Institute's 2024 State of ICS/OT Cybersecurity Report

<sup>2</sup> Fortinet's 2024 State of Operational Technology and Cybersecurity Report

<sup>3</sup> Claroty's 2024 Global State of CPS Security Report

**Tosibox: Connect, Protect, Control.**

Contact us to set up a demo today:

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