SOLUTION BRIEF

The Leading Solution for OT & IoT Security and Visibility
The Leader in OT & IoT Security and Visibility

Nozomi Networks accelerates digital transformation by providing exceptional network visibility, threat detection and operational insight for OT and IoT environments.

We make it possible to tackle escalating cyber risks to operational networks while modernizing your business to succeed in the future.

Let us put our passion for innovation and customer success to work for you, helping you ensure high cyber resilience and reliability.

Securing the World's Largest Organizations

- **9 of Top 20 Oil & Gas**
- **7 of Top 10 Pharma**
- **5 of Top 10 Mining**
- **5 of Top 10 Utilities**
- **Chemicals**
- **Manufacturing**
- **Automotive**
- **Airports**
- **Water**
- **Building Automation**
- **Food & Retail**
- **Logistics**
- **Smart Cities**
- **Transportation**

See

All OT and IoT assets and behavior on your networks for unmatched awareness

Detect

Cyber threats, vulnerabilities, risks and anomalies for faster response

Unify

Security, visibility and monitoring across all your assets for improved resilience
Global Footprint

57,200,000+
OT, IoT and IT Devices Monitored

5,000+
Installations Worldwide

Worldwide Offices

Partnering to Optimize OT and IoT Security

Global Network of SI, VAR and Distribution Partners

1,000+ Trained and Certified Professionals
Vantage
SaaS-Powered Security and Visibility of OT and IoT Networks

Nozomi Networks Vantage™ leverages the power and simplicity of software as a service (SaaS) to deliver unmatched security and visibility across your OT, IoT, and IT networks.

Vantage accelerates digital transformation for the largest and most complex distributed networks.

You can protect any number of OT, IoT, IT, edge and cloud assets, anywhere.

Its scalable SaaS platform enables you to consolidate all of your security management into a single application, even as your networks quickly evolve.

Vantage delivers the immediate awareness of cyber threats, risks, and anomalies you need to detect and respond quickly and ensure cyber resilience.

Identify
Asset Discovery and Network Visualization

Assess
Vulnerability Assessment and Risk Monitoring

Detect
Advanced Anomaly and Threat Detection

Act
Accelerated Global Incident Response

Scale
Unified Security for All of Your Sites with the Power of SaaS

Vantage Assets View summarizes all asset activity on your network for rapid assessment.

Network Visualization View displays all assets communicating on your network for real-time awareness.
**Automatically Track Your OT and IoT Assets**

**Up-to-Date Asset Inventory**
Eliminates blind spots and increases awareness with automated asset inventory.

**Intuitive Dashboards**
Generates macro views as well as detailed information on assets and connections.

**Quickly Detect and Disrupt Threats and Anomalous Behavior**

**Continuous Monitoring**
Continuous monitoring of all supported protocols: OT, IoT and IT.
No critical blind spots in protection caused by limited monitoring or inadequate protocol support.

**Superior OT and IoT Threat Detection**
Combines behavior-based anomaly detection with signature-based threat detection for comprehensive risk monitoring.

**Significantly Improve OT and IoT Risk Management**

**User-Centric Design Accelerates Response**
Focuses attention on critical vulnerabilities and prioritizes activities that can maximize risk reduction.
Improves response time and productivity with pre-defined playbooks that guide remediation efforts for specific teams against each type of threat.

**Detailed Alerts Provide Global Perspective**
Consolidates data to create accurate high-priority alerts across a global network in a centralized dashboard.

**Readily Scale with Optimal Performance**

**Exceptional Global Visibility**
Aggregates data from any number of Guardian sensors, deployed anywhere.
Delivers customizable summaries of essential information with drill-down to individual sites or assets.

**Consolidated Monitoring of All Facilities**
Enables centralized security risk management for all sites.
Provides visibility into all OT/IoT environments.

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**SOLUTION BRIEF**

**OT and IoT Security and Visibility**

**Global SOC**

**Vantage**

**Vantage protects any size network.**

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EDGE OR PUBLIC CLOUD

Guardian

Industrial Strength OT and IoT Security and Visibility

Nozomi Networks Guardian™ delivers visibility, security and monitoring of OT, IoT and IT devices.

Guardian sensors send data to Vantage for consolidated security management anywhere, anytime from the cloud. They can also send data to the Central Management Console for aggregated data analysis at the edge or in the public cloud.

The world’s top companies rely on Guardian to protect their critical infrastructure, energy, manufacturing, mining, transportation, building automation and other sites around the world.

Identify
Asset Discovery and Network Visualization

Assess
Vulnerability Assessment and Risk Monitoring

Detect
Advanced Anomaly and Threat Detection

Act
Time-Saving Dashboards and Forensic Tools

Scale
Single Guardian Sensor Can Monitor 500K Assets
Automatically Track and Visualize Your Assets

Up-to-Date Asset Inventory
Eliminates blind spots and increases awareness with automated asset inventory
Provides extensive node information and identifies risks such as alerts and vulnerabilities

Reduced Risk Through Network Visualization
Provides instant awareness of your OT/IoT networks and their activity patterns
Presents key data such as traffic throughput, TCP connections and protocols used between nodes and zones

Quickly Detect Threats and Anomalous Behavior

Continuous Monitoring
Continuous monitoring of all supported protocols: OT, IoT and IT
No critical blind spots in protection caused by limited monitoring or inadequate protocol support

Superior OT and IoT Threat Detection
Uses behavior-based anomaly detection plus signature-based threat detection for comprehensive risk monitoring
Consolidates and correlates alerts

Guardian Sensors for any Environment

Large Enterprises
- Up to 500,000 Nodes
- 3-6 Gbps Max. Throughput

Mid-enterprises
- Up to 40,000 Nodes
- 250 Mbps-1 Gbps Max. Throughput

Ruggedized Environments
- 500-5,000 Nodes
- 100-800 Mbps Max Throughput

Portable Scenarios
- 2,500 Nodes
- 200 Mbps Max. Throughput

Remote Site Data Collectors
- Up to 15 Mbps Throughput
- Send data to Guardian for analysis
- Virtual sensor also available

Virtual Environments and Containers
VIRTUAL SENSOR
- 1,000-40,000 Nodes
- 1 Gbps Max. Throughput
- Up to 400,000 Network Elements

CONTAINER EDITION
- Gatewatcher
- Siemens
- RUGGEDCOM

1 Network Elements: The sum of nodes, links, variables. For more details, visit: nozominetworks.com/techspecs.
Central Management Console

Consolidated OT and IoT Security and Visibility for Distributed Sites

Nozomi Networks Central Management Console™ (CMC) delivers consolidated OT and IoT security and visibility. It analyzes data from multiple Guardian sensors on one site, or data from multiple sites.

Whether you’re consolidating visibility and risk management at the edge or in the public cloud, the CMC is fast and simple to deploy.

Consolidate
Asset Discovery and Network Visualization

Visualize
Vulnerability Assessment and Risk Monitoring

Respond
Advanced Anomaly and Threat Detection

Scale
Unified Security for Multiple Distributed Sites

CMC Appliances
In the Public Cloud or at the Edge

Mid-Enterprise

- 50 Max. Managed Guardian Sensors
- 250 Mbps–1 Gbps Max. Throughput
- 600,000 Max. Protected Network Elements

Cloud or Virtual Environments

- Cloud - Amazon AWS and Microsoft Azure
- Virtual - Hyper-V 2012+, KVM 1.2+, VMware ESX 5.x+, XEN 4.4+
- 400 Max. Managed Guardian Sensors
- 2,000,000 Max. Protected Network Elements
- 100+ GB Storage

1 Depending on the existing deployment architecture. 2 Depending on the existing virtual infrastructure and deployment architecture. 3 Network Elements: The sum of nodes, links, variables. For complete and current tech specs, visit nozominetworks.com/techspecs.
Enhance Vantage for Expanded Visibility and Threat Detection

GUARDIAN ADD-ON
Smart Polling
Adds low-volume active polling to Guardian's passive asset discovery
Identifies non-communicating assets and rogue devices
Delivers accurate vulnerability assessment for fast and efficient response
Complete details available at: nozominetworks.com/smart-polling

GUARDIAN ADD-ON
Remote Collectors
Supplements Guardian's data via low-resource sensors for distributed locations
Collects data and sends it to Guardian for further analysis
Reduces deployment costs for wilderness, off-shore or other isolated locations
Complete details available at: nozominetworks.com/techspecs

SUBSCRIPTION
Threat Intelligence
Reduces risks by shrinking the mean-time-to-detect (MTTD), minimizing impacts
Delivers regular updates to detect emerging threats and new vulnerabilities
Consists of rules, signatures and vulnerability updates created and curated by Nozomi Networks Labs, a team of expert security researchers
Complete details available at: nozominetworks.com/threat-intelligence

SUBSCRIPTION
Asset Intelligence
Reduces risks by decreasing the mean-time-to-respond (MTTR) to operational anomalies
Delivers regular updates for faster and more accurate anomaly detection
Updates Guardian's anomaly detection technology with device profiles and behavior data based on analysis of millions of assets in use at sites around the world
Complete details available at: nozominetworks.com/asset-intelligence

GUARDIAN ADD-ON
Enhance Vantage for Expanded Visibility and Threat Detection

SOLUTION BRIEF
OT and IoT Security and Visibility
OT and IoT Security and Visibility

Industrial Strength Cyber and Operational Resilience

You can protect a wide variety of mixed environments with rapid asset discovery, network visualization and accelerated security.

Respond to Incidents Faster

For the first time you can see all the assets on your network and know their behavior. Our technology quickly and accurately detects malicious and anomalous activity. You have the insights you need to understand and respond to threats before data theft or operational disruptions occur.
Purdue Model Example

You can tailor the Nozomi Networks solution to meet your needs by utilizing its flexible architecture and integrations with other systems.

World Class Partners

Nozomi Networks partners deeply with the IT/OT services and technology companies you trust. These include:

- **Strategic alliances** with enterprise IT and managed security providers
- **Technology integrations** with leading IT/OT solutions
- **Global network** of SI, VAR and distribution partners

Visit nozominetworks.com/partners for more information.
Products and Services

SAAS

Vantage
Vantage accelerates security response with unmatched threat detection and visibility across your OT, IoT and IT networks. Its scalable SaaS platform enables you to protect any number of assets, anywhere. You can respond faster and more effectively to cyber threats, ensuring operational resilience.

Requires Guardian sensors.

EDGE OR PUBLIC CLOUD

Guardian
Guardian provides industrial strength OT and IoT security and visibility. It combines asset discovery, network visualization, vulnerability assessment, risk monitoring and threat detection in a single application. Guardian shares data with both Vantage and the CMC.

EDGE OR PUBLIC CLOUD

Central Management Console
The Central Management Console (CMC) consolidates OT and IoT risk monitoring and visibility across your distributed sites, at the edge or in the public cloud. It integrates with your IT security infrastructure for streamlined workflows and faster response to threats and anomalies.

SUBSCRIPTION

Asset Intelligence
The Asset Intelligence service delivers regular profile updates for faster and more accurate anomaly detection. It helps you focus efforts and reduce your mean-time-to-respond (MTTR).

SUBSCRIPTION

Threat Intelligence
The Threat Intelligence service delivers ongoing OT and IoT threat and vulnerability intelligence. It helps you stay on top of emerging threats and new vulnerabilities, and reduce your mean-time-to-detect (MTTD).

GUARDIAN ADD-ON

Smart Polling
Smart Polling adds low-volume active polling to Guardian’s passive asset discovery, enhancing your asset tracking, vulnerability assessment and security monitoring.

GUARDIAN ADD-ON

Remote Collectors
Remote Collectors are low-resource sensors that capture data from your distributed locations and send it to Guardian for analysis. They improve visibility while reducing deployment costs.
What to Look for in an OT and IoT Security and Visibility Solution

Technology advancements, such as those found in the Nozomi Networks solution, can dramatically improve security and reliability.

When choosing a solution, look for the following characteristics:

- Comprehensive visibility of all assets in your network
- Advanced threat detection
- Accurate anomaly alerts
- Proven scalability
- Easy IT/OT integration
- Global partner ecosystem
- Exceptional customer engagement and support

See the Nozomi Networks Solution in Action

If you would like to see our solution in action, and experience how easy it is to work with Nozomi Networks, please contact us at nozominetworks.com/contact

Want to Know More?

DATA SHEET
Vantage
DOWNLOAD

DATA SHEET
Guardian
DOWNLOAD

DATA SHEET
Central Management Console
DOWNLOAD

DATA SHEET
Threat Intelligence
DOWNLOAD

DATA SHEET
Asset Intelligence
DOWNLOAD
Nozomi Networks
The Leading Solution for OT and IoT Security and Visibility

Nozomi Networks accelerates digital transformation by protecting the world’s critical infrastructure, industrial and government organizations from cyber threats. Our solution delivers exceptional network and asset visibility, threat detection, and insights for OT and IoT environments. Customers rely on us to minimize risk and complexity while maximizing operational resilience.