SOLUTION BRIEF

The Leading Solution for 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 resiliency and reliability.

**See**
All OT and IoT devices 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 resiliency

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**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**

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**Chemicals**

**Manufacturing**

**Automotive**

**Airports**

**Water**

**Building Automation**

**Food & Retail**

**Logistics**

**Smart Cities**

**Transportation**
Global Footprint

17,000,000+
OT, IoT and IT Devices Monitored

2,500+
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
Guardian
Industrial Strength OT and IoT Security and Visibility

Nozomi Networks Guardian™ unlocks visibility across OT, IoT, and IT for accelerated security and digital transformation.

It reduces OT risks for the largest critical infrastructure, energy, manufacturing, mining, transportation, building automation and other OT 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**
Unified Security for Hundreds of Thousands of Devices

Single Asset View with extensive information.

Portion of interactive Network Visualization Graph.
Automatically Track and Visualize Your Assets

Up-to-Date Asset Inventory
Enhances cyber resiliency and saves time with automated asset inventory
Provides extensive node information and identifies risks such as alerts and vulnerabilities

Quickly Detect Threats and Anomalous Behavior

Up-to-the-Minute Threat Detection
Identifies cybersecurity and process reliability threats
Detects early stage and late stage advanced threats and cyber risks

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

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 Appliances 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
- 500-1,000 Nodes
- 100-250 Mbps Max Throughput

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

Remote Site Data Collectors
- Up to 15 Mbps Throughput
- Sends data to Guardian for analysis
- A Virtual Appliance is also available

Virtual Environments and Containers
- VIRTUAL APPLIANCE
  - 1,000-40,000 Nodes
  - 1 Gbps Max. Throughput
- CONTAINER EDITION
  - Siemens RUGGEDCOM

For more details, visit: nozominetworks.com/techspecs.
Central Management Console

Centralized OT and IoT Security and Visibility for Distributed Sites

Nozomi Networks Central Management Console™ (CMC) delivers centralized OT and IoT security and visibility – no matter how large or globally distributed your business is.

Whether you’re consolidating visibility and risk management at the edge or in the 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 Thousands of Distributed Sites

Sample deployment map for centrally monitoring and securing many facilities.
**Centrally Monitor Your Distributed Sites**

**Single Console Access**
Maps your Guardian appliances and shows risk level by site
Delivers aggregated summaries with drilldown to detailed information by site
Deploys in the cloud (AWS or Azure), or at the edge, for anytime, anywhere access

**Unified Security Monitoring**
Integrates quickly with security infrastructure including with asset, ticketing and identity management systems, and SIEMs
Streamlines security processes across IT/OT
Makes it easy to harmonize data for cohesive response, see: nozominetworks.com/integrations

**Optimize Troubleshooting and Forensic Effort**

**Smart Incidents Speed Up Forensics**
Reduces response time with Smart Incidents™ that:
• Correlate and consolidate alerts
• Provide operational and security context
• Supply automatic packet captures

**Fast Forensic Analysis**
Decodes incidents with Time Machine™ before and after system snapshots
Provides fast answers with a powerful ad hoc query tool

**High Performance for Multinational Deployments**

**Fast, Flexible Deployment**
Quickly scales for enterprise-wide deployment with optimum performance
Adapts to all sites, with multiple appliance models and flexible deployment options

**High Availability, High Security**
Ensures continuous OT and IoT monitoring with high availability configuration
Connects with field appliances using encrypted, bandwidth optimized data transfers

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**CMC Appliances In the Cloud or at the Edge**

**Mid-enterprises**

**PHYSICAL APPLIANCE**
- 50 Max. Managed Guardian Appliances
- 250 Mbps–1 Gbps Max. Throughput

**Cloud or Virtual Environments**

**CLOUD**
- Amazon AWS
- Microsoft Azure

**VIRTUAL**
- Hyper-V 2012+, KVM 1.2+, VMware ESX 5.x+, XEN 4.4+
- Unlimited* Max. Managed Appliances
- 100+ GB Storage

*Based on the infrastructure. For complete and current tech specs, visit nozominetworks.com/techspecs.
You can deploy the Nozomi Networks solution in a wide variety of mixed environments for rapid asset discovery, network visualization and accelerated security.

Nozomi Networks offers a range of licensing options to fit your organization’s preferences, including:

- Subscription licenses
- Enterprise license agreements (ELAs)
- Perpetual licenses

Please contact your Nozomi Networks Sales Director for more information.
Purdue Model Example

You can tailor the Nozomi Networks solution to meet your needs by utilizing its flexible architecture, extensive range of appliances, 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](http://nozominetworks.com/partners) for more information.
## Products and Services

### SaaS

#### Vantage
Vantage leverages the power and simplicity of SaaS to deliver unmatched security and visibility to your OT, IoT and IT networks. Its scalability enables you to manage all of your Guardian deployments and protect any number of locations from anywhere in the world.

Currently in Limited Availability.
For more information, visit [nozominetworks.com/vantage](http://nozominetworks.com/vantage)

### PRODUCT

#### 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 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 ongoing OT and IoT asset intelligence for faster and more accurate anomaly detection. It helps you focus efforts and reduce your mean-time-to-response (MTTR).

### GUARDIAN ADD-ON

#### Remote Collectors
Remote Collectors are low-resource appliances that capture data from your distributed locations and send it to Guardian for analysis. They improve visibility while reducing deployment costs.

### PRODUCT

#### 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 solution. Guardian accelerates your security and simplifies your IT and OT convergence.

### SUBSCRIPTION

#### Threat Intelligence
The Threat Intelligence service delivers ongoing OT and IoT threat and vulnerability intelligence. It helps you stay on top of the dynamic threat landscape and reduce your mean-time-to-detection (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.
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 OT and IoT visibility
- Advanced threat detection
- Accurate anomaly alerts
- Proven scalability across thousands of sites
- 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**
Guardian

**DATA SHEET**
Central Management Console

**DATA SHEET**
Threat Intelligence

**DATA SHEET**
Asset Intelligence

DOWNLOAD
DOWNLOAD
DOWNLOAD
DOWNLOAD
Nozomi Networks

The Leading Solution for OT and IoT Security and Visibility

Nozomi Networks is the leader in OT and IoT security and visibility. We accelerate digital transformation by unifying cybersecurity visibility for the largest critical infrastructure, energy, manufacturing, mining, transportation, building automation and other OT sites around the world. Our innovation and research make it possible to tackle escalating cyber risks through exceptional network visibility, threat detection and operational insight.