**NOZOMI NETWORKS** | **KEYSIGHT**

SOLUTION BRIEF

# Converge Your IT, IoT, and OT Security Operations with Nozomi Networks and Keysight

As digital transformation reshapes industrial organizations' networks, your security operations center (SOC) and operational teams need reliable access to data collected from all traffic packets everywhere. Deploying a Keysight visibility infrastructure ensures your Nozomi Networks monitoring solution scales as your IT, IoT, and operational technology (OT) networks converge.

A modern network visibility architecture overcomes common challenges encountered in accessing, replicating and distributing packet-level data to Nozomi Networks for analysis:

- **Illuminates blind spots that veil security threats** by capturing hard-to-reach traffic where SPANs from unmanaged switches are unavailable. A visibility platform also economizes packet capture where duplicate packets may be over-burdening OT security sensors.
- **Allows monitoring infrastructures to keep pace** as site IT networks and enterprise IT networks evolve to 10G/40G/100G speeds.
- **Extends the value of SOC budgets** and cybersecurity expertise to find and respond to threats faster.

## Joint Solution Highlights

- **Faster, more flexible deployment** for IT, IoT and OT environments that include legacy equipment

- **Monitoring infrastructure scales efficiently** as networks grow and converge

- **Performance and security improve** across critical network infrastructure

# Visibility Creates a Foundation for Growth

Keysight delivers 100% visibility to the network links and real-time data that Nozomi Networks and other IT monitoring tools need to analyze and strengthen performance, operational resilience and security. Deploying Keysight with Nozomi Networks together overcomes common pain points of scaling your IT/OT monitoring infrastructure so you can:

- **Monitor 100% of traffic without missing critical packets:** Keysight visibility solutions ensure all traffic needed for monitoring and analysis gets collected and transmitted with no loss of critical packets — a common problem encountered using SPAN or competing visibility solutions.

- **Efficiently monitor multiple links in distant locations:** Keysight taps and network packet brokers (NPBs) collect and aggregate traffic from multiple places across your network into a single location for efficient processing and accurate monitoring. As needed, Keysight Vision NPBs create tunnels to collect traffic in distant locations (such as remote OT environments) for central analysis by IT and security professionals.

- **Deliver the same critical data to multiple tools:** The Keysight visibility fabric distributes traffic to multiple destinations with or without filtering data for each individual tool.

- **Avoid oversubscription of high-end switches:** Keysight taps collect and replicate network traffic without using switched port analyzer (SPAN) techniques that consume valuable ports on high-end switches. Along with eliminating extra work to configure network traffic access, using taps to collect and mirror data instead of SPAN avoids a drag on switch performance. In some industrial environments with older switches in place, no SPAN ports are available at all.

- **Prevent traffic volumes from overwhelming monitoring infrastructures:** Intelligent Keysight packet brokers filter and deduplicate traffic so each monitoring tool receives exactly — and only — the data that it needs to analyze.
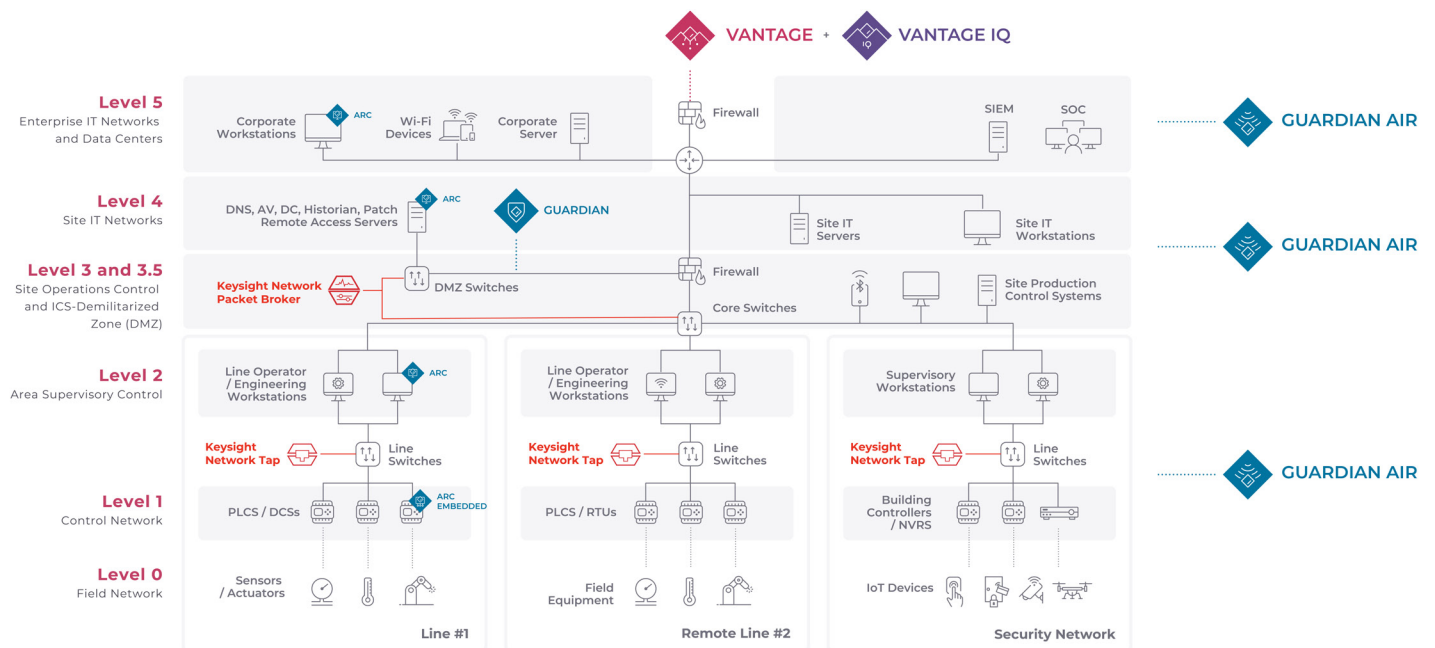
# Better Together: Keysight and Nozomi Networks Deliver End-to-end Visibility

Using a Keysight visibility platform to collect and replicate data for analysis by the Nozomi Networks platform allows defenders and operational teams to see, secure and monitor all IT, IoT, OT, edge and cloud assets in real time. Nozomi Guardian sensors deliver comprehensive asset inventory, visibility and threat detection insights for OT and IoT environments on a per-site basis. Guardian sensors passively inspect local OT and IoT network traffic to provide complete asset visibility and network monitoring for mission-critical industries. When deployed in conjunction with Nozomi Guardian Air (wireless sensor), Nozomi Arc (endpoint sensor), and Nozomi Arc Embedded (embedded endpoint sensor), security and operational teams can access data and analytics of the entire OT and IoT system landscape.

The Vantage SaaS management and analytics application from Nozomi Networks unifies OT security monitoring and risk management processes across all sites, regions and teams. Vantage equips security professionals to detect and respond to cyber threats, risks, and anomalies anywhere at any time.

# Joint Solution Benefits

## 100% visibility across converged environments

- Clear view of all IT, IoT and OT traffic for complete security
- Monitor all IT, IoT, OT, and even edge and cloud assets – including on-prem legacy devices
- Eliminate network and cloud blind spots

## Streamline operations as your network scales

- Keep up with exploding traffic volumes
- Avoid misconfigured production switches (RSPAN)
- Improve tool and monitoring infrastructure utilization

## Better, faster threat detection and response

- Ensure continuity of services and operations
- Offload decryption to uncover encrypted threats

## Save money

- Lower costs by consolidating monitoring
- Reduce the burden on IT, OT, and security teams
- Extend the value of tool investments

**KEYSIGHT**

## About KEYSIGHT

Keysight Technologies, Inc. (NYSE: KEYS) is a leading technology company that helps enterprises, service providers and governments accelerate innovation to connect and secure the world. Keysight's solutions optimize networks and bring electronic products to market faster and at a lower cost with offerings from design simulation, to prototype validation, to manufacturing test, to optimization in networks and cloud environments. Customers span the worldwide communications ecosystem, aerospace and defense, automotive, energy, semiconductor and general electronics end markets. Keysight generated revenues of $4.2B in fiscal year 2020. More information is available at www.keysight.com.

For more information on Keysight visibility products and solutions, visit **www.GetNetworkVisibility.com**

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**NOZOMI NETWORKS**

## About Nozomi Networks

Nozomi Networks protects the world's critical infrastructure from cyber threats. Our platform uniquely combines network and endpoint visibility, threat detection, and AI powered analysis for faster, more effective incident response. Customers rely on us to minimize risk and complexity while maximizing operational resilience.

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**nozominetworks.com**