

## SERVICE BRIEF

# Comprehensive IoT and ICS Security from Optiv with Azure Defender for IoT

## Unified Security Governance Across IT, IoT and ICS

As the integration of industrial control systems (ICS) and internet of things (IoT) devices continues to pick up the pace, organizations are being challenged with identifying, securing and managing security for the technologies connected to their network. Traditionally, these devices have been unmanaged and represent a great risk for a variety of reasons, including:

- Endpoint agents unable to run on devices
- Active scanning bringing down production
- Industry-specific protocols not being understood
- Limited or no visibility into devices and communication paths

Perimeter firewalls and conventional ICS/SCADA defenses are proving to no longer be sufficient in protecting IoT and ICS networks.

### Optiv Solutions

Optiv helps organizations better understand the effects of ICS and IoT devices within their environment through the deployment and integration of Microsoft's Azure Defender for IoT asset discovery and risk platform. Azure Defender for IoT helps organizations gain continuous visibility into their IoT/OT environments in order to reduce the risk of malware and targeted attacks resulting in safety incidents; production downtime leading to financial losses; and theft of sensitive intellectual property such as information about proprietary manufacturing processes.

Purpose-built for IoT/OT environments, Azure Defender for IoT's agentless security platform delivers continuous visibility into all of an organization's IoT/OT assets, risks and vulnerabilities and any abnormal or unauthorized behavior. Continuous monitoring and real-time alerting help organizations quickly and efficiently identify vulnerabilities and threats to your organization, creating the ability to prevent incidents before they begin.

### Why Choose Azure Defender for IoT for your OT and IoT Protection Needs



**Deploys in Minutes:**  
Minimal time and effort to deploy



**Proven Enterprise Expertise:** Reduced project risk



**Unified Solution for Unmanaged Data:** Reduced complexity and total cost of ownership



**Recognized Threat Intelligence:** Greater situational awareness



**Existing IT Stack Integration:** Quicker operationalization and time to value



**Patented Machine to Machine Analytics:** Reduced risk with less wasted time



## Case Study

### Proof of Our Success

#### CLIENT PROFILE

Global Manufacturer

#### DESIRED OUTCOMES

Identify and remediate intermittent downtime issues at the organization's largest manufacturing plant

#### SOLUTION

Optiv integrated Azure Defender for IoT into the client's environment and proceeded to monitor traffic related to the downtime issues

#### CLIENT BENEFITS:

- Ability to quickly identify the problem that was causing the outages.
- Saving millions of dollars in losses by avoiding future downtime



**\$1.1 TRILLION**

by 2023 what IoT spend is predicted to reach by 2023, IDC, June 13, 2019



**59%**

Enterprises that consider data science and machine learning critical to their business Catching Up on The Latest in IoT Intelligence, 2019, Forbes, November 10, 2019



**29.4%**

2019 – 2024 IoT CAGR by durable goods manufacturers, Channelnomics, March 21, 2019

## Primary Use Cases

- Asset Management
- Network Segmentation
- Threat Monitoring and Detection
- SOC Integration
- Centralized Management

## Advanced Use Cases

- Automated IoT/ICS Threat Modeling
- Incident Response, Forensics and Threat Hunting
- IoT/ICS Malware Sandbox
- IoT/ICS Threat Intelligence
- Secure Remote Access
- Governance and Compliance

#### Secure your security.™



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Optiv is a security solutions integrator – a “one-stop” trusted partner with a singular focus on cybersecurity. Our end-to-end cybersecurity capabilities span risk management and transformation, cyber digital transformation, threat management, security operations, identity and data management, and integration and innovation, helping organizations realize stronger, simpler and more costefficient cybersecurity programs that support business requirements and outcomes. At Optiv, we are modernizing cybersecurity to enable clients to innovate their consumption models, integrate infrastructure and technology to maximize value, achieve measurable outcomes, and realize complete solutions and business alignment. For more information about Optiv, please visit us at [www.optiv.com](http://www.optiv.com).

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