

# Unmanaged and IoT Devices Are Vulnerable. Protect Them with Gigamon and Armis.

## Overview

Armis is the leading unified asset intelligence platform built to give enterprises the thing they need most in a hyper-connected world—comprehensive 5 Dimensional (5D) Visibility™ into every connected asset. For the first time, enterprises can visualize and secure the entire attack surface, inside and outside the perimeter, across IT, OT, IoT, IIoT, IoMT, 5G, virtual, cloud, software, and users. Informed by a dynamic 5D map of the attack surface topology, vulnerabilities, and risks, organizations have the contextual intelligence they need to proactively identify and mitigate growing cyber threats up to 99 percent faster.

The Gigamon Deep Observability Pipeline provides full visibility into all the traffic on hybrid networks. In addition to providing access to this traffic, Gigamon filters, transforms, and decrypts this traffic to deliver context and intelligence to the Armis Agentless Security Device platform.



A new forecast from IDC estimates that there will be 41.6 billion connected IoT devices, or “things,” generating 79.4 zettabytes (ZB) of data in 2025.

**IDC, WORLDWIDE GLOBAL DATASPHERE IOT  
DEVICE AND DATA FORECAST, 2019-2023**

## The Challenge

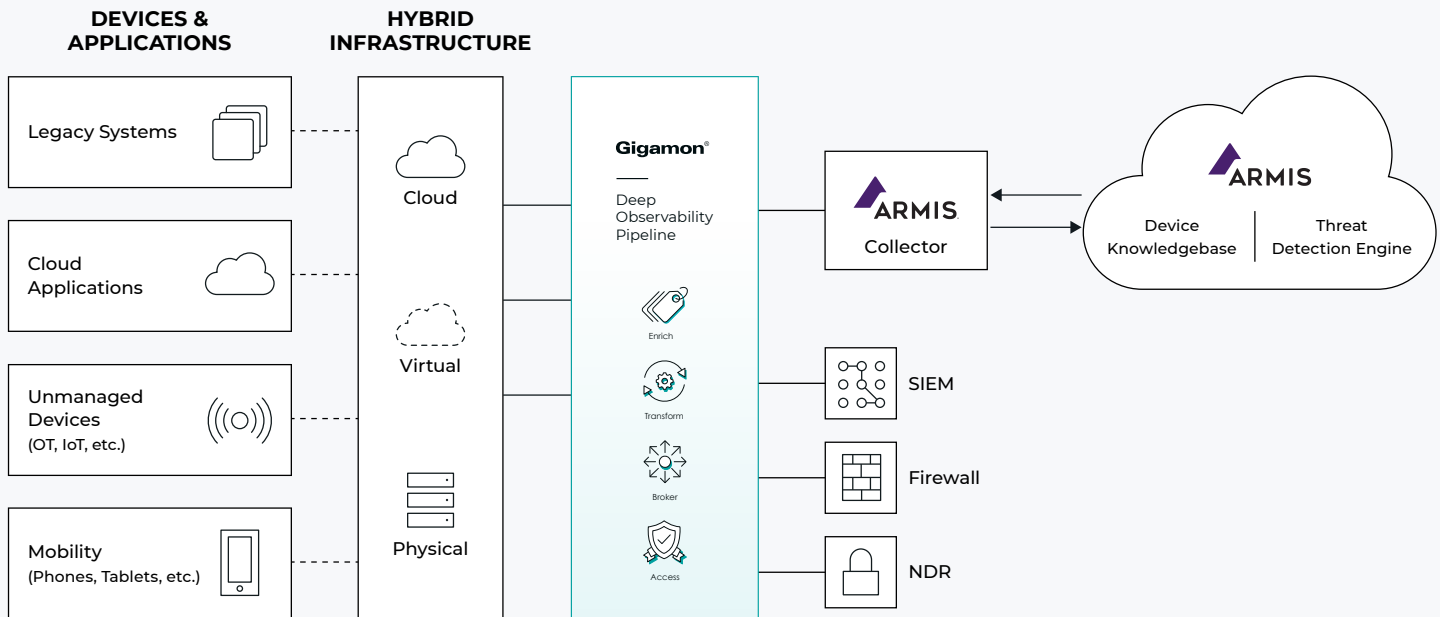
Agent-based security approaches may be effective in protecting many of the assets on your network, but these approaches don't work for unmanaged, IoT, OT, and medical devices. These devices are inherently more vulnerable because they often lack robust security and are difficult to patch. As a result, they have become a favorite attack target for cybercriminals and state-sponsored bad actors.

## The Solution

The Gigamon® Deep Observability Pipeline and the Armis® Agentless Device Security Platform work together to reduce business risk and increase security by providing real-time and continuous protection for managed, unmanaged, and IoT devices.

## Joint Solution Benefits

- Quick and easy deployment for immediate time-to-value
- Gain visibility of unmanaged, IoT, OT, medical devices, and more
- Reduce business and compliance risk
- Automatically detect and respond to suspicious or malicious behavior
- Align NetOps and SecOps teams around same data



**Figure 1.** High-Level Gigamon and Armis Solution Architecture.

## The Gigamon and Armis Joint Solution and Use-Cases

### Asset Inventory

- What devices are on my network, are they authorized and secure?
- How do I track and locate devices with unsupported operating systems or manufacturing/FDA recalls?

### Compliance

- How do I ensure devices aren't going to be compromised by more vulnerable network devices?
- What devices are on the VLAN?

### Device Utilization

- What workload are my devices carrying and are they being fully or properly utilized?
- Analysis of utilization data for budgetary and planning purposes

### Threat Detection

- How do I find devices with vulnerabilities or that may have already been compromised?
- How do I identify devices exhibiting suspicious or malicious behavior?

### Zero Trust Micro Segmentation

- How do I proactively classify and securely segment devices on my network based on their roles or what they should be allowed to do?

For more information on Gigamon and Armis please visit [gigamon.com](https://gigamon.com) | [armis.com](https://armis.com)

## About Armis

Armis is the leading unified asset intelligence platform designed to address the new threat landscape that connected devices create. Fortune 1000 companies trust our real-time and continuous protection to see with full context all managed, unmanaged assets across IT, Cloud, IoT devices, medical devices (IoMT), operational technology (OT), industrial control systems (ICS) and 5G. Armis provides passive and unparalleled cybersecurity asset management, risk management, and automated enforcement. Armis is a privately held company and headquartered in Palo Alto, California.

## About Gigamon

Gigamon offers a deep observability pipeline that harnesses actionable network-derived intelligence to amplify the power of observability tools. This powerful combination helps IT organizations to assure security and compliance governance, speed root-cause analysis of performance bottlenecks, and lower operational overhead associated with managing hybrid and multi-cloud IT infrastructures. The result: Modern enterprises realize the full transformational promise of the cloud. Gigamon serves more than 4,000 customers worldwide, including over 80 percent of Fortune 100 enterprises, nine of the ten largest mobile network providers, and hundreds of governments and educational organizations worldwide. To learn more, please visit [gigamon.com](https://gigamon.com).

## For More Information

For more information about Gigamon or to contact a local representative, please visit: [gigamon.com](https://gigamon.com).



#### Worldwide Headquarters

3300 Olcott Street, Santa Clara, CA 95054 USA  
+1 (408) 831-4000 | [gigamon.com](https://gigamon.com)

© 2020-2023 Gigamon. All rights reserved. Gigamon and Gigamon logos are trademarks of Gigamon in the United States and/or other countries. Gigamon trademarks can be found at [gigamon.com/legal-trademarks](https://gigamon.com/legal-trademarks). All other trademarks are the trademarks of their respective owners. Gigamon reserves the right to change, modify, transfer, or otherwise revise this publication without notice.