



# Modernize Healthcare Infrastructure Without Compromising Patient Care



**Gigamon<sup>®</sup>**

Healthcare organizations face relentless pressure to deliver always-on clinical services while managing escalating cyber risk and constant infrastructure change driven by mergers and acquisitions, digital transformation, and data center consolidation. Patient care, patient data, and critical clinical workflows now span data centers, cloud environments, clinical networks, and connected medical devices.



## Market Context and Business Challenges

Healthcare providers, payers, and life sciences organizations are modernizing electronic health records, imaging, telehealth services, and digital front doors while operating in an increasingly complex and high-risk environment. These initiatives unfold alongside a set of persistent challenges that cut across security, compliance, and infrastructure teams:

- AI-enabled threats and ransomware exploit lateral movement in East-West traffic
- Legacy clinical systems and IoMT devices create blind spots
- HIPAA and HITECH requirements increase audit and compliance pressure
- Consolidation and cloud migration accelerate under M&A activity
- Flat budgets and limited staff constrain operations

## Solution Overview

Visibility into the network that connects patients, clinicians, systems, and devices is essential to maintain uptime, reduce cyber risk, and modernize infrastructure without introducing operational blind spots.

**The Gigamon Deep Observability Pipeline** delivers the right network-derived telemetry to the right tools at the right time, helping healthcare organizations:

- Protect patient care from escalating cyber risk
- Meet service level and regulatory obligations with limited staff and budgets
- Modernize infrastructure through data center consolidation and cloud migration without losing visibility

# Consistent network-derived telemetry helps healthcare organizations reduce cyber risk, meet compliance requirements, and modernize hybrid environments with confidence.

## CORE CAPABILITIES

- **East-West visibility** across data centers, private cloud, public cloud, and remote sites
- **Agentless monitoring** into IoMT and clinical device communications without disrupting patient care
- **Automated discovery** of devices, applications, and encrypted services monitored on the network
- **Optimized telemetry delivery** into existing security and observability tools, enriched with application context
- **AI-assisted analytics** that enhance threat detection by improving the quality and context of network-derived telemetry within existing platforms



A couple of incidents that we had within the last six months we were able to catch quite quickly—within about an hour or so of the time the attacker took ownership of a server. We were able to catch them just in time before any real damage was done. And the reason is we have security tools in place, and Gigamon is feeding all the data into those security tools.”

**Kajeewan Rajanayagam**

Director of Cybersecurity, University Health Network

## Cyber Risk, Patient Safety, and Interior Defense

Threat actors increasingly use automation and AI to scale attacks against healthcare organizations, while legacy clinical systems and medical devices create blind spots across East-West traffic.

### CHALLENGE

Network, security, and compliance teams must maintain uptime SLAs, meet evolving HIPAA and HITECH requirements and execute ongoing consolidations and migrations with flat budgets and limited staff.

### GIGAMON OUTCOMES

Gigamon outcomes include exposing lateral movement, securing IoMT communications, and accelerating detection and response.

- A reusable visibility layer that provides consistent access to network-derived telemetry across security, observability, and compliance tools, reducing operational complexity and duplication
- Lower operational and tooling costs through optimized delivery of network data to existing platforms and tools
- Consistent visibility into data in motion across on-premises, cloud, and clinical environments to support audit-readiness and regulatory reporting
- Automated discovery of devices, applications, and certificates to support HIPAA asset inventory and certificate management with less manual effort
- Application dependency mapping powered by network analytics and AI to identify unmanaged or out-of-policy assets and reduce risk during migration and consolidation initiatives

As healthcare organizations navigate escalating cyber risk, expanding compliance obligations, and constant infrastructure change, visibility remains the common constraint. The Gigamon Deep Observability Pipeline provides a shared foundation of network-derived telemetry that helps organizations protect patient care, safeguard patient data, and modernize hybrid environments without losing control. By enabling consistent, high-fidelity visibility across security, compliance, and infrastructure teams, Gigamon supports safer operations, more efficient workflows, and confident progress in an increasingly complex healthcare landscape.

## Summary

By partnering with Gigamon, healthcare organizations gain the deep observability required to meet compliance obligations more efficiently and modernize infrastructure without sacrificing visibility or operational resilience.

To learn more, visit [gigamon.com/healthcare](https://gigamon.com/healthcare), request a meeting at [gigamon.com/contact-sales](https://gigamon.com/contact-sales), or connect with your Gigamon representative or channel partner.

## About Gigamon

Gigamon® delivers an AI-powered Deep Observability Pipeline that provides network-derived telemetry to cloud, security, and observability tools. With AI-driven insights across packets, flows, and application metadata, organizations gain complete visibility into all data in motion to detect threats concealed in encrypted and lateral traffic, resolve network and application performance issues, and validate compliance while reducing operational cost and complexity. Gigamon is trusted by 4,000+ organizations, including 83 of the Fortune 100 and hundreds of public sector agencies and educational institutions. Learn more at [gigamon.com](https://gigamon.com).



### Worldwide Headquarters

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

© 2026 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.