

Cynerio

Healthcare IoT Cybersecurity Platform
Secure. Faster.

Medical Device Safety Is Patient Safety

Patient care has seen incredible improvements thanks to the data, insight and timeliness provided by connected medical devices. However, as the footprint of these devices in hospitals expands, so do the number of threats, vulnerabilities, and attacker pathways towards them. The security of the devices connected to patients are now an essential part of their overall well-being, care,

and health. Cynerio enables hospitals and healthcare facilities to get unparalleled visibility into their IoT, OT and connected medical devices, reduce their vulnerability and risk, and immediately respond to ransomware, breaches and other threats aimed at them. Don't just identify connected devices using asset management – secure them to ensure that they are an integral part of protecting patient safety, care, and data.

Healthcare IoT Security by the Numbers – Do You Feel Confident in Your Hospital's Ability to Manage Connected Device Risk?

\$9M

■ Average cost of a healthcare breach -
highest of any industry

500%

■ healthcare ransomware
increase since the pandemic's start

70%

■ of medical devices have **critical vulnerabilities** that would **impact patient safety** if exploited





The Benefits of the Cynerio Platform

- ✔ Go beyond inventory - Find and remediate the most critical healthcare IoT risks in under 30 days
- ✔ Automated, actionable, and plain-English mitigation plans that prevent the widest variety of threats
- ✔ Identify and respond to ransomware and other attacks so they don't affect IoT and medical devices
- ✔ Ensure IoT security alignment between BioMed, security, network, facilities, and executive teams
- ✔ Confidently micro-segment connected devices with no impact on patient outcomes or functionality
- ✔ Extend your team with a Technical Account Manager to affordably accelerate IoT risk reduction
- ✔ Get the visibility to integrate IoT, OT and connected medical devices within your IT security tools
- ✔ Stay up to date with IoT security compliance for HIPAA, NHS DSPT, and other international healthcare regulations
- ✔ Use device data to prioritize remediation based on potential critical risk to patients
- ✔ Healthcare is our only business – leverage our deep insight on medical device security and hospital best practices

Features

Ensure patient safety, data confidentiality and service continuity on IoT devices

Network Segmentation Validation Engine for IoT



Cynerio's medical-first network segmentation validation engine gives hospitals a virtual environment to test potential segmentation before execution, so that effective IoT security can be confidently implemented and device lifecycles safely lengthened without disruptions or additional risk.

Attack Detection and Response for Healthcare IoT



Cynerio's IoT Attack Detection and Response module empowers hospitals to immediately identify and safely quarantine connected devices exhibiting malicious or suspicious activity. Cynerio IoT forensics then allow for thorough remediation and rapid recovery measures to be carried out when the device is not in use.

Extend Your IT Team with a Technical Account Manager



Pair Cynerio technology with an affordable, long-term Technical Account Manager (TAM). TAMs provide guidance and technical expertise to healthcare teams that might otherwise be understaffed or over stressed.

Track and Analyze Organizational IoT Risk Data in the Cynerio Portal



The Cynerio portal provides comprehensive device and risk data in drill-down charts and dashboards, with step-by-step instructions on how to effectively remediate all vulnerabilities and attacks.

Features

Updated Compliance with Global IoT and Healthcare Security Standards



Built according to NIST Cybersecurity Framework standards, Cynerio provides continuous monitoring of current compliance with a variety of international norms such as HIPAA, alerts about anomalous activity and device risks, and generates full reporting for streamlining audits.

Align IT Security, Network, BioMed, facilities and Executive Teams around Healthcare IoT Security



Dozens of implementations covering hundreds of thousands of devices at hospitals all around the world has allowed Cynerio to build an effective library of best practices to ensure alignment between the varied teams that need to make healthcare IoT security effective.

Utilize Detailed Device Data to Optimize Resource Allocation



Cynerio collects comprehensive information about medical device usage to help biomedical engineers and hospital staff make informed decisions about new device purchases, carry out capacity planning and respond quickly to emergencies.

Vendor and Cloud Access Management



Gain visibility into who is connecting to your devices and why. Ensure that vendors and other external colleagues only connect to medical devices for necessary tasks, with full alerting and reporting available to corroborate security and compliance.

Assess, Score and Prioritize Device Risk Based on Potential Patient Impacts



The Cynerio platform leverages machine learning to model the potential impact of dozens of device risk factors, generate mitigation outcomes that keep devices secure, and create a risk score that helps healthcare providers act quickly to remediate the most dangerous threats.

Integrate IoT Visibility and Data into IT Security



Cynerio acts as the “brain” of your IoT device infrastructure, collecting data on risks, vulnerabilities, and attacks. The platform then leverages integrations with firewalls, network access control (NAC), security information and event management (SIEM), and many other IT security technologies that act as the “muscle” to enforce the remediation policies that Cynerio suggests for IoT devices.

About Cynerio

Cynerio is the one-stop-shop Healthcare IoT security platform. With solutions that cater to healthcare’s every IT need--from Enterprise IoT to OT and IoMT--we promote cross-organizational alignment and give hospitals the control, foresight, and adaptability they require to stay cyber-secure in a constantly evolving threatscape. We give healthcare organizations the power to stay compliant and proactively manage every connection on their own terms with powerful asset management, threat detection, and mitigation tools so that they can focus on healthcare’s top priority: delivering quality patient care. Visit us at Cynerio.com and follow us [@Cynerio](https://twitter.com/Cynerio).

