

TOTAL SECURITY FOR DEVICE INNOVATION

From device birth to secure software development – DigiCert ensures the security of devices.

Overview

DigiCert is at the forefront of the IoT security transformation, leading the way in devices with strong cybersecurity. Our approach covers all aspects of IoT technology, from the infrastructure supporting critical devices to the software handling business-critical data. We offer a defense against current cyber threats and a security platform for future innovations, ensuring that organizations are able to grow with a foundation of trust and resilience.



Comprehensive Coverage

DigiCert secures the very foundation of IoT – the devices themselves, the software that runs them, and the infrastructure that connects them. Our solutions ensure that you and your customers can trust that devices are authentic, are communicating securely with your internet infrastructure, and are running software that is authentic and tamperproof and is free of malware and vulnerabilities. DigiCert also helps with the many emerging compliance requirements that our industry faces.

DigiCert's focus on security enables your product development and operations teams to focus on what matters most to your business – innovation, time to market, and efficiency. Our solution enables you to centrally manage your devices' identity, authentication, and encryption from silicon to decommissioning. Our software security solution ensures that your software supply chain is safe from vulnerabilities, malware, and tampering, and supports emerging regulatory requirements such as bills of materials.

IoT Security Essentials

Identity and Certificate Management: Establishes a unique device identity and manages certificates for authenticity and encryption.

Tamper-proof Updates and Dynamic Security: Provides secure software updates and dynamically adjusts security to mitigate new threats.

Secure Software Development: Protect against software supply chain attacks.

Automated Setup and Continuous Monitoring: Automates secure device configuration and continuously monitors for and responds to threats.

Software Integrity and Compliance Assurance: Ensures software authenticity, prevents tampering, and maintains compliance with irrefutable records like software bills of materials.

Encryption and Privacy Protection: Implements end-to-end encryption to safeguard device data and ensure trust across the IoT ecosystem.

DEVICE SECURITY ESSENTIALS

Where device integrity meets software assurance – the new standard in device security.

Foundational Security Principles

Unified Security Architecture: Provides integrated security across device hardware and software, streamlining protection and management across the technological ecosystem. This architecture reduces complexities associated with disparate systems, enhancing overall security efficiency.

Secure Software Development: IoT devices run on software – software that resides on the device as well as software that runs the infrastructure that connects to the device. A breach in the software development lifecycle for any of this software risks exposing data, or worse, access to business-critical systems. Software supply chain attacks are increasing at alarming rates. Steps must be taken to secure your software development process.

Compliance and Governance: Ensures adherence to international standards, facilitating efficient navigation of the compliance landscape. This aspect is crucial for any organization, providing assurance that they are aligned with current and evolving regulatory standards.

Scalable Trust: Supports the growth of organizations by ensuring that the security framework is capable of expanding with the business. This pillar provides robust and adaptable protection for an increasing range of devices and networks, critical for maintaining security integrity in your growing fleet of devices.

The DigiCert Difference

Partner with DigiCert for a security foundation that enhances your device initiatives. Contact us at digicert.com/contact-us to learn how our security not only ensures compliance but also leads innovation..

Compliance Simplified

DigiCert is pivotal in ensuring IoT technologies meet global regulatory standards across various industries, including GDPR for data protection in the European Union, and ISO standards for quality management systems worldwide. Our comprehensive approach ensures that devices and software not only comply with these safety and security standards but also foster trust in their deployment across essential services and sectors.

Broad Regulatory Alignment: Automates and simplifies compliance with global regulatory bodies, easing market entry across jurisdictions.

Enhanced Data Security: Provides top-tier encryption and data protection to meet regulatory and compliance requirements, safeguarding device data.

SBOM Compliance: Meets the myriad of mandates for Software Bills of Materials (SBOMs), ensuring software supply chain transparency and security.

Continuous Compliance Monitoring: Keeps pace with changing standards, streamlining compliance for device manufacturers in any industry.

