



BG NETWORKS

Embedded IoT Cybersecurity Software & Services

BG Networks enables embedded IoT security. Offering security automation tools, training, and consulting services, BG Networks helps customers quickly and easily determine their IoT products' security needs and then deploy and manage the necessary security.

Embedded IoT Software Security Tools

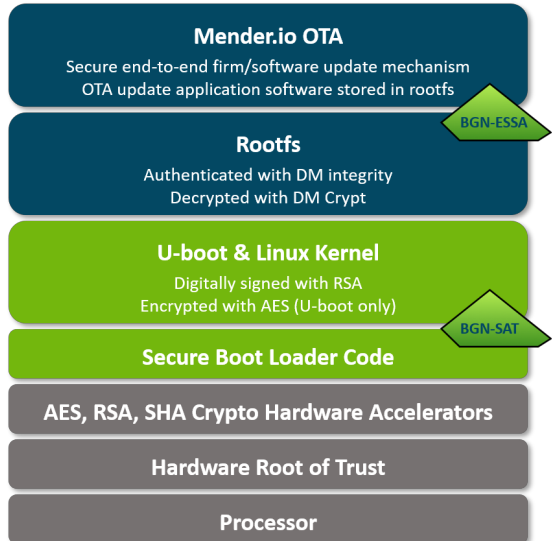
BGN-SAT Security Automation Tool

BGN-SAT is an intuitive gui-based tool which helps engineers quickly improve security, reduce development time, and take advantage of in-silicon security features in their embedded designs.

BGN-ESSA Open Source Yocto Linux Resources

BG Networks' Embedded Security Software Architecture (BGN-ESSA) is a collection of Yocto Linux scripts, recipes, and configurations that enhance cybersecurity for IoT devices, extend a hardware root of trust, and integrate an OTA software update manager.

When used in conjunction with BGN-SAT, it will allow you to implement critical IoT security features in days, not months.



Embedded IoT Security Services

IoT Device Security Consulting Services

BG Networks offers a complete set of engineering services for IoT device cybersecurity. These include risk/threat/vulnerability analysis, regulatory assessments, definition of cybersecurity requirements, development of software, and testing.

ISO/SAE 21434 Consulting Services

Cyber-secure vehicles require an extension of trust and assurance across the complex automotive supply chain, from semiconductor suppliers to Tier 1s, OEMs, and finally to the consumer. BG Networks collaborates with companies throughout the supply chain and helps to extend trust with a complete set of cybersecurity services including:

- The application of ISO/SAE 21434 processes
- Software developments that take advantage of secure silicon features
- Software testing
- Post-development secure key and software management

Embedded IoT Device Security Workshop

BG Networks offers instructor lead training providing essential information on cybersecurity for busy embedded IoT software engineers and system developers:

- No previous cybersecurity experience required
- Hands-on workshop covers critical IoT cybersecurity concepts such as identity and access management, cryptography, key management, use of embedded processor security features, and practical example exercises to demonstrate the implementation of baseline security.