

IOT CYBERSECURITY CONNECTED PRODUCTS

CONSUMER IOT
MEDICAL DEVICES
CONNECTED VEHICLES
INDUSTRIAL PRODUCTS
NETWORK EQUIPMENT

The Internet of Things (IoT) is growing, which means the world is becoming more connected. The combination of “smart” devices, mobile or web applications used to interact with them and cloud services connecting them with each other has led to the development of overlapping IoT ecosystems.

IoT long ago passed the barriers of consumer products; organizations now also use these products and solutions, making them an integral part of the ecosystem. In the ecosystem of IoT, manufacturers of products hold one of the most important roles: they are ultimately the ones that decide which features will be included in their products.

Cybersecurity cannot be ignored

Historically, the world of IoT has been driven strongly by functionality. The products with the most and more revolutionary features got an edge over their competition. Recently, the aspect of cybersecurity in IoT has become a topic that cannot be ignored.

We have now reached the point where cybersecurity issues associated with these products are not theoretical anymore. Products we use daily have become vulnerable to attacks. IoT has grown to be more than just smart gadgets, it now includes vehicles, medical devices, industrial telecommunication equipment and more. This increases the potential impact of an IoT cyber attack on our lives.

Recognized standards

For many years, the IoT domain lacked a clear set of relevant standards and frameworks to support manufacturers in developing good security into their products. Luckily, these days are gone. Today, there are multiple internationally recognized standards, frameworks and certification programs that can help manufacturers decide which set of security functionalities they would like to include into their products. Which framework applies to you? How to comply with regulation? Secura can help you.

Our Services

Secura is your partner in the world of product security evaluation, compliance and certification. Our services include a broad selection of standards and certification schemes, covering multiple product domains. We offer technical assessments, consultancy support and certification.

Consumer IoT

Standards & Regulations:

ETSI EN 303 645
GSMA IoT
IoT Security Foundation
Radio Equipment Directive (RED)

Technical assessments

- Design reviews & Threat Modeling
- Penetration testing

Consultancy support

- Gap assessments
- Support to address the gaps
- Risk assessments

Certification

- ETSI EN 303 645 certification
- Common Criteria certification
- BSPA certification

Medical Devices

Standards & Regulations:

IEC 62443 series
UL 2900

Technical Assessments

- Penetration testing
- Code reviews

Certification

- UL 2900 certification
- Common Criteria certification
- BSPA certification
- IEC 62443 certification

Network Equipment

Standards & Regulations:

IEC 62443 series

Technical Assessments

- Design reviews & Threat Modeling
- Penetration testing

Consultancy support

- Gap assessments
- Support to address the gaps
- Risk assessments

Certification

- Common Criteria certification
- BSPA certification
- IEC 62443 certification

Connected Vehicles

Standards & Regulations:

ISO 21434
ISO 24089

Technical Assessments

- Threat modeling & risk assessments (TARA)
- Pentesting on components/systems
- Penetration testing on vehicle level

Consultancy support

- Gap assessments
- Support to address the gaps
- Training

Certification

- UNECE Cybersecurity (R155)
- UNECE Software Updates (R156)
- ISO 21434 certification

Industrial Products

Standards & Regulations:

IEC 62443 series

Technical Assessments:

- Design reviews & Threat Modeling
- Penetration testing

Consultancy support:

- Gap assessments
- Consultancy to address the gaps
- Training on IEC 62443

Certification:

- IEC 62443 certification (IECEE and ISASecure)

About Secura

Secura is an independent, specialized security expert. We help organizations by **providing valuable insight into their digital security** from a **people, process and technology perspective**.

Secura offers **audit, test & certification services in the world of IT, IoT and OT**. We link our audit and test work to international norms, standards and metrics. Secura is your independent, trusted security partner.

Interested?

Would you like to learn more about our services?

Contact us today!

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