

**IOT SERVICE CERTIFICATE:
CERTIFICATION OF IOT SERVICES**

Does your service provide good protection for your customers' personal data? We will test your IoT services based on a developed catalog of requirements. The audits performed examine both important formal data protection aspects and implemented technical and organizational measures whose objective is to protect personal data. This includes, for example, evaluation of the network architecture, the service and access management. The included security tests extend as far as a penetration test.

Certification affirms that your service meets the high demands of TÜV Rheinland and provides good protection for your customers' personal data.

When combined, a certified product and a certified service produce an IoT system which ensures a high level of data protection and data security.

**IOT TRAINING:
BECOME A CERTIFIED IOT SPECIALIST**

Are you a planner or an installation technician and want to provide your customers with professional advice regarding the IoT? If so, you can become one of the first persons in the country to qualify as an IoT specialist who can safely install IoT products or complete smart homes and knows what really matters. We will make you fit in technology, processes and legal principles. After successfully passing the examination at the TÜV Rheinland Academy, demonstrate your skills to colleagues, competitors and customers through a TÜV Rheinland Personal Certificate.

You can find more information on all services relating to IoT and data protection online at: www.tuvopensky.com



TUV Rheinland OpenSky
295 Foster St. #100
Littleton, MA 01460

Phone (978)-266-9500
info@tuvopensky.com
www.tuvopensky.com

Data protection for products in the Internet of Things (IoT)

Because customer confidence is essential.



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CONSUMERS AND LAWMAKERS ARE DEMANDING TRANSPARENCY

Products are increasingly equipped with Internet connection and are turning into the Internet of Things (IoT): From a smart TV, digital assistants, smart toys, fitness trackers and networked household appliances to a complete smart home.

What about data protection and data security? Both consumers and lawmakers are concerned about these topics. Consumers are worried about their privacy and are afraid that hackers can use IoT devices to obtain a detailed insight into their private lives. Lawmakers have enacted new tougher regulations such as the European General Data Protection Regulation (EU GDPR). This Regulation is binding on all manufacturers and service providers who want to offer their products or services in the EU.

As an IoT provider, you can actively show your customers that you respect their privacy. TUV Rheinland OpenSky will support you here with an extensive range of services.

EXPERT REPORTS, CERTIFICATION AND TRAINING FROM A SINGLE SOURCE

We offer you everything from a single source relating to data protection of your IoT devices. As part of consumer protection, our experts will help you all over the world to protect your products and services to the highest possible standards.

With IoT, we first look at the actual physical product which the consumer buys, i.e., a household appliance. The product nearly always includes a service, for example control via a smart phone or further services. We therefore evaluate the related services, as well.

Does your IoT product or IoT service comply with the high requirements of data protection and data security, and does it take into account consumers' expectations regarding their privacy? We will test and evaluate these aspects, and issue the corresponding certificates after a successful test.

OVERVIEW OF OUR SERVICES FOR YOU:

IoT	Assessment + Certification	IoT Product Certificate
		IoT Service Certificate
IoT	Training	Awareness Seminar
		Education and Personal Certification

**IOT PRODUCT CERTIFICATE
CERTIFICATIONS FOR YUR SMART HOME PRODUCTS**

We can offer you "Protected Privacy", our own test program developed in-house. We are therefore the pioneer in this field.

The focal points of "Protected Privacy" certification are data protection and information security. For example our experts verify if the data transmission is encrypted or a memory inside the device be reset to the default settings.