

**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 performed audits 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. Both certifications enable you to show your customers that processing of personal data in your IoT service complies with the legal requirements of the EU GDPR and that additional aspects relating to consumer protection are taken into account.

**IOT TRAINING:
BECOME AN 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 superiors, colleagues, competitors and customers - through a TÜV Rheinland Personal Certificate.

You can find more information on all services relating to the topic of the IoT and data protection online at: www.tuv.com/en/iot-privacy



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

Because customer confidence is essential.



www.tuv.com





CONSUMERS AND LAWMAKERS ARE DEMANDING TRANSPARENCY

More and more products are being equipped with an 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 take a critical view of this. Consumers are worried about their privacy and are afraid of hackers who 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 and comply with legal regulations. TÜV Rheinland will support you here with an extensive range of services.

EXPERT REPORTS, CERTIFICATION AND TRAINING FROM A SINGLE SOURCE

We offer you everything relating to data protection of your IoT devices from a single source. 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 smartphone or further services. We therefore evaluate the related services as well.

Does your IoT product or IoT service comply with the important new statutory data protection and data security provisions, and does it take account of consumers' expectations regarding their privacy? We will test and evaluate this, 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 YOUR 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.