

# R&S<sup>®</sup>TRUSTED GATE – MOBILE ACCESS

R&S<sup>®</sup>Trusted Gate – Mobile Access enables a secure access to confidential data anywhere. An easy and quick deployment allows secure read access on any mobile device without additional client software. R&S<sup>®</sup>Trusted Gate – Mobile Access is a unique and lightweight alternative to container security solutions on mobile phones. After the secure access to confidential data, there is no forensic proof of its existence on the mobile device.

## Secure read-only access to confidential data

R&S<sup>®</sup>Trusted Gate – Mobile Access provides read access to confidential data on any HTML5 ready mobile devices. Authorized users can bring their own device without need to install additional software on their smartphone or tablet. Users are able to read confidential documents, even when there are uncertain factors like the mobile device operating system or the surrounding network infrastructure.

► Easily access confidential data on any mobile device without additional software on the mobile device.



Product flyer  
Version 01.00

## R&S®Trusted Gate – Mobile Access use cases

On a business trip a manager at the airport can use any mobile device and any local WiFi network for accessing confidential data. The solution offers the flexibility to grant access even ad-hoc in any country or on any mobile device and at the same time highly secure the processed data from exposure to unauthorized third parties. The strictly data-centric approach of the solution delivers high security independent from the mobile platform. In addition, R&S®Trusted Gate – Mobile Access is a perfect solution for employees traveling to countries where company rules forbid to take company mobile devices because of compliance reasons. An read only access to confidential data via unsafe private devices can be secured by R&S®Trusted Gate – Mobile Access when necessary.

## Easy user interface and conversion

To grant access to the data the data can be easily selected by the authorized user. The mobile version of documents will be created by clicking on the context menu. R&S®Trusted Gate – Mobile Access is able to render the most common document types like Word, Excel, PowerPoint and PDF. The rendered document is part of encrypted browser container with a personal session key and readable by any HTML5 browser on any operating system.

## Related R&S®Trusted Gate products

### R&S®Trusted Gate – Solution for Microsoft® 365 Teams Edition

Provides secure processing of sensitive data in Microsoft® 365 and Teams. While in the public cloud just virtual files without content are exposed, the original files are stored encrypted and fragmented in a multi-layer storage system on-premises or in various clouds.

### R&S®Trusted Gate – Mail Control

Provides secure processing of sensitive attachments in emails. Attachments will be extracted, stored encrypted and replaced in the mail by a link. Recipients can access content with defined security rules (full access, read only or no access). This solution contains data exchange and mobile access solutions.

### R&S®Trusted Gate – Secure Data Exchange

Provides high secure data exchange functionality between internal and external project groups and teams. Data can either be synchronized automatically or with manually user interaction between different parties. The exchange data target can be configured as a multi-layer storage system either on cloud or on-premises storage systems.

## Data access with any web browser

R&S®Trusted Gate – Mobile Access renders confidential document files into an encrypted read-only HTML document. After being sent as a link, the user can authorize himself and access the document with any HTML5 ready web browser on his mobile device. The data is secured in an encrypted browser container and will be only decrypted and showed within the browser as long as the user reads the document until he closes the browser window or when the defined security key runtime ended. The network infrastructure and the mobile device platform never gets access to the decrypted data. After the user finished reading the confidential document, there is no forensic proof of its existence on the mobile device anymore.

## Quick deployment

In comparison with container security solutions on mobile phones, R&S®Trusted Gate – Mobile Access can be deployed much quicker. It is fully independent from the mobile device hardware or operating system. It does not need any additional client software on the mobile device. The only requirement for secure access to confidential data is a HTML5 ready browser. A big advantage is that the receiver mobile device never has to be prepared in advance or needs to be initially in IT department to grant the user access. Any device can be used at any time, so the flexibility and scalability of the solution is uncomparable.

## R&S®Trusted Gate security options

R&S®Trusted Gate – Mobile Access can be deployed as a stand-alone solution or as an integrated part of other R&S®Trusted Gate modules, where the original files are encrypted, fragmented and stored in a multi-layer storage system on-premises or in various clouds. Due to fragmentation into small chunks, confidential data cannot be compromised even by complex cryptographic attacks. The chunks can be stored and distributed via a configurable software-defined storage module (SDS). The SDS module enables file storage on different hardware and major cloud providers like Azure (Microsoft®), AWS (Amazon) or GCP (Google). R&S®Trusted Gate encrypts documents using Block Cipher Mode (GCM). This ensures confidentiality and integrity. The symmetric document-centric keys (AES 256) are additionally encrypted with asymmetric keys (RSA or elliptic curves). Access rights can be assigned with high granularity for groups and individual users.

