

R&S®Trusted Desktop

Comprehensive client security and efficient desktop management

R&S®Trusted Desktop offers comprehensive control of information and protects against unauthorized data leakage. Its user-friendliness means that users do not have to adjust their usual working methods.

Targeted malware attacks and undesirable losses of data are only the most visible examples: Even the latest information technology is still lacking when it comes to offering effective protection against threats. R&S®Trusted Desktop raises the protection against attacks from internet-based attackers and insiders to a whole new level.

Rohde&Schwarz Cybersecurity is the first company that has implemented the idea of “trustworthy systems” as a foundation for IT infrastructures on a broad scale.

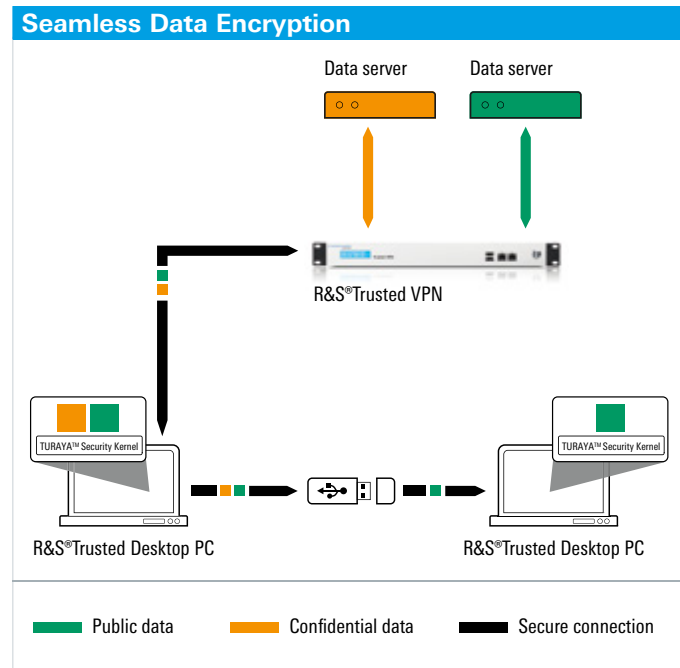


The secure desktop solution creates a viable control of information flow. The principle is based on the strict isolation of critical applications and company-wide workflows, as well as the reliable implementation of security guidelines. The innovative technology enables the lifecycle of all company data to be protected in a comprehensive and reviewable way. Accidental or malicious data leakage to third parties is efficiently prevented. A central management component, the R&S®Trusted Objects Manager, provides system-wide management of security guidelines and, at the same time, is a user-friendly installation, configuration and provisioning system.

Architecture

The core component of the R&S®Trusted Desktop is the TURAYA™ Security Kernel. This security kernel isolates several operating systems (compartments) into individual security zones that are executed on the same client system. Each compartment is assigned to a Trusted Virtual Domain. The Trusted Virtual Domain covers a self-contained virtual security zone allocated to a number of computers. If data leaves a compartment, it is encrypted transparently and can therefore only be processed further by local or remote compartments that belong to the same Trusted Virtual Domain.

This revolutionary concept enables effective company-wide control of information flow to be implemented for conventional operating systems for the first time.



Security features

- Comprehensive central management and user authentication with a smart card
- Transparent encryption with secure offline transport of data
- Integrated full-disk encryption based on the Trusted Platform Module security chip
- Encryption key is never visible and is therefore not vulnerable to viruses or Trojans
- Transfer of unencrypted data only possible if in accordance with the central security guidelines
- Intelligent, fully-automatic VPN client for secure connections

Rohde & Schwarz Cybersecurity GmbH
 Muehldorfstrasse 15 | 81671 Munich, Germany
 Info: +49 30 65884-222
 Email: cybersecurity@rohde-schwarz.com
 www.cybersecurity.rohde-schwarz.com

Rohde & Schwarz GmbH & Co. KG
 www.rohde-schwarz.com

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 PD 3607.5777.32 | Version 03.00 | April 2018 (sch)
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