Your trusted European provider

ROHDE & SCHWARZ CYBERSECURITY

We protect digital information and business processes of companies and public institutions worldwide from cyberattacks. As an IT security expert, we offer innovative data security solutions for cloud environments, advanced security for websites, security for websites, web applications and web services, as well as network encryption, endpoint and mobile security. Our certified, trusted security solutions are developed according to the security-by-design approach and and prevent cyber-attacks proactively.

We are a subsidiary of the technology group Rohde & Schwarz, a leading supplier of solutions in the fields of test and measurement, broadcast and media, aerospace | defense | security and networks and cybersecurity.

“With our decades of expertise in the field of IT security, we are your competent partner for all security issues. With our solutions, we are proactively committed to ensure that IT systems are resistant and resilient. Along the development of new technologies, we focus on future-proof IT security solutions, you can rely on.”

Dr. Falk Herrmann, CEO
The security of file shares, cloud storages, cloud applications and web services forms the basis of successful digital transformation processes.

Our product family R&S®Trusted Gate ensures secure data encryption in the cloud and in collaboration platforms as well as highly secure, global data exchange. To meet compliance requirements for data storage and can and work comfortably and privacy compliant in public clouds and collaboration tools.

Business-critical applications of enterprises and public institutions are effectively protected by our R&S®Web Application Firewall and the SaaS version R&S®Cloud Protector.

R&S®Trusted Application Factory is our micro-WAF service for your secure DevSecOps strategy.

Products for Application & Cloud security:
- R&S®Trusted Gate
- R&S®Web Application Firewall
- R&S®Cloud Protector
- R&S®Trusted Application Factory
Our product line R&S®Trusted Gate focuses on the following solutions:
Secure collaboration in the cloud on platforms such as Microsoft® 365 and secure data exchange – regardless of the used infrastructure.

The data-centric approach to securing confidential information protects companies from cyberattacks, data theft and manipulation. The unique combination of virtualized files in the cloud, encryption and distributed storages gives you full control over the security level when working with data in the public cloud or exchanging data with external partners. Even the highly secure exchange of data with external parties can be arranged conveniently by synchronizing definable file folders. Thanks to R&S®Trusted Gate, security guidelines, compliance requirements and data protection regulations such as GDPR can be fully and efficiently met without additional client software on users’ terminal devices.

R&S®Trusted Gate can be integrated into solutions such as Microsoft® 365, SharePoint, Teams or OneDrive for Business seamlessly and invisibly. In addition, it provides secure access to data via mobile devices and secure delivery of email attachments.

Use the convenient chat encryption in Microsoft® Teams to not only to share encrypted documents, but for encrypted conversations as well.
Application & Cloud security

R&S®WEB APPLICATION FIREWALL

R&S®Web Application Firewall offers comprehensive protection for business-critical web applications. API and XML traffic are at the heart of distributed IT solutions for cloud and mobile applications.

The R&S®Web Application Firewall protects your web services and ensures reliable machine-to-machine communication. It supports key business processes that involve employees, suppliers, customers and regulatory bodies.

Our holistic security suite is available in the editions “Business” and “Enterprise”.

Rohde & Schwarz Cybersecurity  Product overview 5
R&S® WEB APPLICATION FIREWALL – BUSINESS AND ENTERPRISE EDITION

Our entry-level solution the R&S® Web Application Firewall – Business Edition is ideal for bandwidth-limited appliances or virtual machines with a predefined set of centralized security features.

Well-known applications, websites and APIs such as Microsoft® Outlook Web Access, Exchange, SharePoint, SAP, WordPress, Drupal and Joomla are protected against known and unknown attacks, including OWASP Top 10.

Company critical web applications, including legacy applications and custom APIs, are fully protected with R&S® Web Application Firewall – Enterprise Edition. It is completely scalable, designed to protect global high-performance web applications as well as supporting the continuous development cycle of web apps.

The Enterprise Edition enables the use of multi-cloud or hybrid cloud deployments.
R&S® CLOUD PROTECTOR

R&S® Cloud Protector protects websites, e-commerce shops and web service providers against attacks from the Internet. The cloud-based Web Application Firewall was specifically developed to protect the application layer in the cloud. It effectively protects web applications against the most common cyberattacks and at the same time preserves important internal resources.

The cloud-based Web Application Firewall offers reliable protection without interrupting the workflow.

The R&S® Cloud Protector can be optimally integrated to protect web services such as Intranets and extranets as well as applications, partner portals and webmail services, especially in larger companies whose websites attract a larger number of visitors.
R&S® TRUSTED APPLICATION FACTORY

The first-class container technology to protect your microservices. Accelerate the digital transformation of your overall infrastructure by fully exploiting the automation potential with R&S® Trusted Application Factory to its full potential. DevSecOps teams can get up to speed with the integration of security configuration close to the application, DevSecOps teams can meet more complex security issues at an early stage.

The security layer is implemented as a micro-WAF (Web Application Firewall) within the application.

You can use your orchestration tool in Kubernetes or Docker clusters in parallel with the application to scale up or down as needed. R&S® Trusted Application Factory automatically adapts to the workload.

Your benefit: resource-related costs can be saved and increase the return on investment. To simplify collaboration, the micro-WAF is implemented within the CI/CD pipeline using existing tools. It is available on-premises or in the cloud (public and private).

It comes as an attractive freemium model for integration into your development teams’ DevSecOps pipeline.
The comprehensive solutions for network security ensure safe connections across locations and meet the highest security requirements. We offer “Security Made in Germany” – 30 years of crypto competence.

The Ethernet encryptors R&S®SITLine ETH and R&S®SITLine ETH NG protect companies and authorities against espionage and manipulation of data transported over landline, radio relay or satellite links. The R&S®SITLine IP high-speed layer-3 encryption guarantees powerful group encryption for IP traffic.

Fully automated, R&S®Trusted VPN provides a comprehensive state-of-the-art security infrastructure as a ready-to-use solution.

**Products for Network security:**
- R&S®SITLine ETH
- R&S®SITLine ETH NG
- R&S®SITLine IP
- R&S®Trusted VPN
Network security

R&S® SITLINE ETH

R&S® SITLine ETH is a family of Ethernet encryptors. It protects companies and government authorities against espionage and the manipulation of data transported via Ethernet over landline, radio relay or satellite links.

The solutions were specifically designed for exchanging huge amounts of encrypted data in real-time. The encryption takes place on Ethernet basis – in layer 2 of the OSI model.

This appliance class is ideal for data center operators and users, for being used in backbone networks and to interconnect sites within an enterprise.

As data volumes rise, a flexible licensing model allows an increase of the encryption throughput up to 40 Gbit/s per device, without any hardware upgrades.

R&S® SITLine ETH is approved by the BSI up to classification level VS-NfD (RESTRICTED), NATO RESTRICTED and RESTREINT UE/EU RESTRICTED.
Get to know our highly secure network communication with layer 2 encryption at speeds from 10 Mbit/s to 40 Gbit/s.

With the help of R&S®SITLine ETH NG, you can protect Ethernet connections of your corporate network at a high level against tampering and read-along. Strict orientation to network standards makes it easy to integrate existing IT networks while preserving network functions and performance features.

R&S®SITLine ETH NG secured networks offer highly efficient and effective professional transmission security. Combined with advanced carrier Ethernet services and product durability, the total cost of ownership (TCO) of a secured network is minimized.

R&S®SITLine ETH NG is approved by the BSI up to classification level VS-NfD (RESTRICTED), NATO RESTRICTED and RESTREINT UE / EU RESTRICTED.
Network security

R&S®SITLINE IP

The R&S®SITLine IP product family protects sensitive data from espionage and manipulation. The devices guarantee encryption at a persistent performance rate.

The IP encryption solutions differentiate themselves from other IPsec-based encryptors. They solve the biggest problem of complex and fully meshed networks by eliminating the resource-heavy management of innumerable IPsec tunnels.

Thus, the devices ensure resilient, cost-effective and more efficient Wide Area Networks (WAN) and site connections.

All devices combine maximum data security with minimal administration effort. A subsequent increase of the throughput is made possible via software updates.

R&S®SITLine IP is approved by the BSI up to classification level VS-NfD (RESTRICTED), NATO RESTRICTED and RESTREINT UE/EU RESTRICTED.
Network security

**R&S®TRUSTED VPN**

The R&S® Trusted VPN solution has been developed with two basic goals in mind: hard-edged security and foolproof administration. R&S® Trusted VPN integrates modern security standards in their most stringent form as a default strategy and provides the optimal hardware platform.

The operating concept focuses on the higher level of logical traffic relationships between networks and users.

An individual administration of every single device involved is thus eliminated.

**R&S® Trusted VPN is approved by the BSI up to classification level VS-NfD (RESTRICTED), NATO RESTRICTED and RESTREINT UE / EU RESTRICTED.**
When it comes to cyberattacks, endpoint devices such as PCs and laptops are often used to compromise corporate networks. Thus, the protection of endpoint devices is an essential element of every IT security strategy.

Rohde & Schwarz Cybersecurity develops innovative, proactive security solutions for laptops and desktops. Our portfolio includes a virtual environment for secure browsing with comprehensive protection against advanced persistent threats and malware. Moreover, we offer a widespread encryption solution for endpoint and mobile devices, which offers full-disk encryption and multi-level authentication mechanisms, as well as the VPN Client as our highly secure software VPN solution for remote terminals based on Microsoft® Windows 10.

Combined as R&S® Trusted Endpoint Suite, they offer the optimum overall solution tailored to specific security needs. The individual components of the suite are perfectly tuned and enable optimum workflows. There is no need for you to change familiar ways of working, because all security mechanisms run in the background and your IT has finally time for more important processes.

Products for Endpoint security:
- R&S® Trusted VPN Client
- R&S® Browser in the Box
- R&S® Trusted Disk
- R&S® Trusted Endpoint Suite
R&S®TRUSTED VPN CLIENT

R&S®Trusted VPN Client protects the internal network communication between client platform and VPN gateway. Mobile devices can securely connect to the company or an organization’s Intranet, even when data traffic is routed over the Internet.

The innovative architecture of the R&S®Trusted VPN Client enables a purely software-based security solution while maintaining the high security level of a VS-NfD VPN client.

The secured access authorization is granted by several, mutually independent authentication mechanisms, such as PIN and smartcard. End users use the Microsoft® Windows platform, administrators manage the software package as usual on the existing system.

The R&S®Trusted VPN Client is embedded in the R&S®Trusted Endpoint Suite. In combination, this modular security solution provides a comprehensive security system for public authorities or corporate networks.

R&S®Trusted VPN Client is approved by the BSI up to classification level VS-NfD (RESTRICTED), NATO RESTRICTED and RESTREINT UE/EU RESTRICTED.
Endpoint security

R&S® BROWSER IN THE BOX

Our virtual environment for secure Internet surfing proactively protects against Internet attacks like viruses, Trojans as well as other malware, advanced persistent threats and zero-day-exploits – while virus scanners offer only reactive protection against malware.

R&S® Browser in the Box protects systems from data leakage via telemetry data in Microsoft® Office and Windows 10. The Docs in the Box feature allows you to view attachments of Office applications and applications with Internet access (Skype) in a protected virtualized environment.

It is easy to deploy in enterprise environments because of its straightforward usability in Microsoft® Windows environments, consistent central management with interface options to Active Directory, eDirectory or LDAP and the terminal server option (TS).

R&S® Browser in the Box is the only solution that enables secure web conferencing participation in a fully virtualized browsing environment. Virtualizing the webcam makes unauthorized access to a camera impossible, so users retain authority over the camera and microphone at all times and decide for themselves when to activate them securely.

The feature is compatible with video conferencing tools such as Microsoft Teams, Zoom, GoToMeeting, Jitsi and Circuit (compatibility with Webex is expected after the next update).
Endpoint security

R&S®TRUSTED DISK

The full-disk encryption provided by R&S®Trusted Disk encrypts not only data, but the complete operating system, including temporary files.

R&S®Trusted Disk uses a transparent, real-time encryption technique and offers a central management for R&S®Trusted Disk clients, user groups and roles in the enterprise version.

This makes it possible to manage the encryption status and rights assignments of all R&S®Trusted Disk clients.

R&S®Trusted Disk is approved by the BSI up to classification level VS-NfD (RESTRICTED), NATO RESTRICTED and RESTREINT UE / EU RESTRICTED.
The security of mobile devices and applications is essential, considering that smartphones or tablets adapt more and more business processes. Additionally, almost every employee has access to company data via a mobile device. Therefore, protecting sensitive information with appropriate security solutions for the business sector is critical.

R&S® Trusted Mobile – the secure platform for smartphones and tablets – meets the highest security requirements with a hardened security core. Our mobile security solution from enables mobile working while complying with the high security requirements of German federal authorities.

R&S® Trusted Disk is approved by the BSI up to classification level VS-NfD (RESTRICTED), NATO RESTRICTED and RESTREINT UE/EU RESTRICTED

Products for Mobile security:
► R&S® Trusted Mobile
Mobile security

R&S® TRUSTED MOBILE

R&S® Trusted Mobile provides a secure platform for smartphones and tablets. Based on a hardened security kernel for Android, the system is divided into two areas: a private („Open“) and a business („Restricted“) area for company data.

Applications and data are strictly separated from each other. This, for example, prevents apps installed by users from gaining access to sensitive data.

The restricted area provides secure access to the corporate network. Applications from this area can only access emails, contacts, calendars and the Intranet via a secure VPN tunnel. The open area is used like a standard Android smartphone.

Access to external websites is also provided exclusively via a corporate firewall, which extracts dangerous content.

Moreover, there is an easy-to-use email encryption based on the S/MIME standard for end-to-end encryption and tap-proof phone calls.
Service that adds value

- Worldwide
- Local and personalized
- Customized and flexible
- Uncompromising quality
- Long-term dependability

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Printed in Germany | February 2021
PD 3607.4235.62 V 08.00