Rohde & Schwarz Cybersecurity

PRODUCT OVERVIEW

ROHDE&SCHWARZ

Make ideas real

ROHDE & SCHWARZ CYBERSECURITY

Rohde & Schwarz Cybersecurity is a leading IT security company that protects digital assets of companies and public institutions around the world against cyberattacks. The IT security expert provides innovative data protection solutions for cloud environments, advanced security for websites, web applications and web services as well as network encryption, desktop and mobile security. To prevent cyberattacks pro-actively, the trusted security solutions are developed according to the security-by-design approach.

Rohde & Schwarz Cybersecurity is part of the Rohde & Schwarz technology group. The high-tech company develops, produces and markets innovative communications, information and security products for professional users.

Berlin

Bochum
Leipzig
Cologne
Darmstadt

Saarbrücken

Paris

Munich

Montpellier

Rohde & Schwarz Cybersecurity

APPLICATION & CLOUD SECURITY

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.

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.

Products for Application & Cloud security:
▶ R&S®Cloud Protector
▶ R&S®Web Application Firewall
▶ R&S®Trusted Gate

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 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.

The simple, fully scalable SaaS security solution for enterprise customers leverages security mechanisms such as heuristics, grammar analysis and IP address validation. This prevents cyberattacks on websites, web applications, back-ends and cloud environments.

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 "Enterprise" and "Business".

R&S®WEB APPLICATION FIREWALL – BUSINESS EDITION

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, by the Business Edition of the R&S®Web Application Firewall.

The availability of virtual and on-premises hardware appliances offers maximum flexibility. Our entry-level solution is ideal for bandwidth-limited appliances or virtual machines with a predefined set of centralized security features.

R&S®WEB APPLICATION FIREWALL –
ENTERPRISE EDITION

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.

It analyzes and reports user activity in context to fend off attacks that target application logic. Deviating activities can be blocked and potential vulnerabilities can be virtually patched directly on the application layer. The Enterprise Edition enables the use of multi-cloud or hybrid cloud deployments.

R&S®TRUSTED GATE

Our product line R&S®Trusted Gate focuses on the following solutions: Secure collaboration in the cloud on platforms such as Office 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 enables full control over the security level when working with data in the public cloud or exchanging data with external partners.

Cloud providers do not have the opportunity to get a hold of any data at any time. 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® Office 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.

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NETWORK SECURITY

The comprehensive solutions for network security ensure safe connections across locations and meet the highest security requirements.

The Ethernet encryptors R&S®SITLine ETH 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. The devices of the product family are approved from the BSI for VS-NfD, NATO RESTRICTED as well as EU RESTRICTED.

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 IP
► R&S®Trusted VPN

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 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®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.

The Federal Office for Information Security (BSI) has granted R&S®Trusted VPN the approval of secrecy level up to VS-NfD RESTRICTED, NATO RESTRICTED and EU RESTRICTED (national).

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DESKTOP SECURITY

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 a combined IT security solution for remote endpoint devices based on Microsoft® Windows 10™.

Products for Desktop Security:
- ▶ R&S®Trusted Endpoint Suite
- ▶ R&S®Trusted VPN Client
- ▶ R&S®Browser in the Box
- ▶ R&S®Trusted Disk

R&S®TRUSTED ENDPOINT SUITE

R&S®Trusted Endpoint Suite is a software-based security suite for endpoint devices on Microsoft® Windows 10™.

The combined product consists of a remote data connection with encryption, full hard disk encryption and a secure web browser. The solution designed for VS-NfD processing can be used without special hardware and is particularly aimed at public authorities, organizations and companies that are under confidential protection.

The underlying cryptographic procedures and security mechanisms are BSI compliant. The encrypted remote data connection enables secure, encrypted use of the Intranet from a government authority or organization.

Employees can securely access the corporate network in public places on the Windows 10™-interface. Confidential data remains protected.

Individual components of the R&S®Trusted Endpoint Suite are individually configurable and usable.

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 VS-NfD client.

The secured access authorization is granted by several, mutually independent authentication mechanisms, such as PIN and smartcard. End users use the 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.

Other components such as R&S®Trusted Disk for hard disk encryption and R&S®Browser in the Box for secure web browsing can be used depending on the requirements profile.

R&S®BROWSER IN THE BOX

R&S®Browser in the Box is a virtual environment for secure Internet surfing. While virus scanners offer only reactive protection against malware, R&S®Browser in the Box proactively protects against Internet attacks like viruses, Trojans as well as other malware, advanced persistent threats and zero-day-exploits.

Moreover, the solution 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 popular Microsoft Office™ applications and applications with Internet access, such as Skype, in a protected virtualized environment.

R&S®Browser in the Box is highly accepted by end users because they surf the Internet just as they are used to. It is easy to deploy in enterprise environments because of its straight-forward usability in Windows™ environments, consistent central management with interface options to Microsoft's Active Directory, eDirectory or LDAP and the terminal server option (TS).

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. This is approved by the federal Office for information Security (BSI) for Windows 10™ to VS-NfD.

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MOBILE SECURITY

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.

Products for Mobile Security:
▶ R&S®Trusted Mobile

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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