R&S®TRUSTED VPN CLIENT

Specifications

Description

R&S®Trusted VPN Client is an SRA (secure remote access) solution that secures the internal network communication between a client platform (e.g., a laptop or tablet) and a VPN gateway. Employees can use their device to securely connect to the intranet even though the data traffic is routed through an untrusted network (e.g., the internet).

R&S®Trusted VPN Client is designed to comply with the requirements for trusted VPN clients defined by the German Federal Office for Information Security (BSI) and allows the transfer of data classified as VS-NfD (Restricted).

Overview

Core features	- Software-based VPN client - Two-factor authentication via smart card - Hardened, minimally invasive isolation platform to encapsulate Windows 10™ - UEFI firmware protection - Transparent rerouting of all network traffic through the VPN connection - Support of LAN and WLAN access technology for the VPN connection
Management	- Cross-product remote configuration through the central management system R&S®Trusted Objects Manager - Configurable network access for groups and single users - Warm standby support - Master/slave VPN gateway support
Deployment	- Software installation and deployment via ECM systems such as Microsoft® SCCM™ - No impairment of the existing Windows 10™ installation
Compatibility	- Microsoft® Windows 10™ - Intel® Core™ mobile processors (generation 6 or higher) - Virtualization-based security features (VBS) - R&S®Trusted Disk (full disk encryption) - R&S®Trusted Identity Manager Extended (PKI & smart card management) - R&S®Trusted VPN - R&S®Trusted Objects Manager - R&S®Browser in the Box (Hyper-V edition) - CardOS API V5.0, V5.3

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Network

Technologies	Ethernet	LAN
	Wi-Fi/ WLAN	WPA2 Personal
	USB	LAN adapter
		WLAN adapter
VPN modes	Client-to-Site VPN	
	IPsec tunnel mode (ESP)	
R&S®Trusted VPN (VPN gateway)	R&S®Trusted VPN L Gen 2 (TPM 2.0) Version 6.x.x	VS-NfD (Restricted)
		SoCM-Standard (EU restricted (national))
		SoM-Standard (NATO restricted)

Security features

Internet Key Exchange (IKEv2)	RSA up to 4096 bits	Only non-VS-NfD (Restricted)
	ECC-512 (Brainpool curve, 512 bits)	ECDSA-SHA-2-512
		ECDH
Client authentication	Multi-factor authentication	Via smart card and PIN
Encryption algorithms	Asymmetric	RSA
		ECC
	Symmetric	AES-256-GCM
		SHA-2 up to 512 bits
Crypto libraries	Botan	
Atos CardOS smart cards	CardOS version	V5.0
		V5.3

System requirements

R&S®Trusted VPN Client		
CPU	Intel® Core™	≥ Dual Core 2.2 GHz
		≥ i-Core™ 6th Generation (available since 2015)
Memory	RAM	≥ 8 GB RAM
	Disk space	≥ 1 GB free hard disk space
Operating system	Windows™	Microsoft® Windows 10™ with UEFI (GPT)

Certified Quality Management
ISO 9001