

R&S[®] COMSEC SUPPORTING INDIGO

Specifications

A security solution for ultra-mobile devices from Apple

Rohde & Schwarz Cybersecurity, agilimo Consulting and Materna Virtual Solution enable reliable protection of regulatory data, classified information and sensitive business information when using mobile devices. For a highly secure communication infrastructure tailored to individual requirements, we provide pre-configured iPhone and iPad devices as well as infrastructure and management components. Our managed services ensure smooth operation.

Mobile devices

R&S[®]ComSec supporting indigo supports all mobile devices that are approved by the German Federal Office for Information Security (BSI, Bundesamt für Sicherheit in der Informationstechnik) for processing VS-NfD classified data with Apple indigo. This includes both the iPhone and iPad devices with the respective operating system version described in the German VSA (instructions for dealing with classified material).

When R&S[®]ComSec supporting indigo is operated without BSI approval, other operating system versions can also be used.

Device protection accessories

The devices are supplied with a display protection and a protective device cover.

Service

The devices are covered by an accident and breakdown cover ("Schutzbrief"). This includes the provision of a replacement device in case of hardware defects and loss of the device.



Supported devices

Smartphones	
Apple iPhone SE	Gen3/2022, 64 Gbytes, black
Apple iPhone 15	Gen1/2023, 128 Gbytes, black
Apple iPhone 15 Pro	Gen1/2023, 256 Gbytes, black
Tablets	
Apple iPad	Gen10/2022, 64 Gbytes, silver, 10.9 inch, Wi-Fi + cellular
Apple iPad Air	Gen6/2024, 128 Gbytes space-grey 11 inch, Wi-Fi + cellular
Apple iPad Pro	Gen7/2024, 256 Gbytes, space-grey, 11 inch, Wi-Fi + cellular

Infrastructure

R&S®ComSec supporting indigo expands the customer environment with the following infrastructure components:

R&S®Trusted VPN Gateway

R&S®Trusted VPN Gateway is the access point for mobile devices on the internet and connects them to the internal secure environment. Trusted VPN Gateway is approved for VS-NfD classified data by the German BSI.

R&S®Trusted VPN Gateway		
	VPN-L	VPN-XL
Number of indigo users (number of concurrent VPN tunnels)	up to 50 guaranteed	up to 300 guaranteed
CPU	Intel® Atom, 8c, 2.4 GHz	Intel® Xeon Silver 4210, 10c, 2.2 GHz
RAM	4 Gbytes	16 Gbytes
Storage	1 x 32 Gbytes SATA	2 x 1 Tbyte SATA RAID 1
ETH interfaces	8 x 1 Gbit	2 x 10 Gbit-SFP, 4 x 1 Gbit
TPM	2.0	2.0
Design type	19 inches, 1 RU	19 inches, 1 RU
Dimensions (W x H x D)	4.32 cm x 43.47 cm x 29.1 cm	4.32 cm x 43.47 cm x 74.67 cm
Weight	2.7 kg	16.7 kg
Power supply	230 V / 1 x 150 W	230 V / 2 x 500 W
Power consumption	Idle 4.2 W; Load 7.3 W	Idle 75.8 W; Load 103.4 W
BTU	512/h	1,705/h
MTBF	492,530 h	445,260 h

R&S® Trusted Objects Manager

R&S® Trusted Objects Manager is a security management system to manage devices and security-related components, like R&S® Trusted VPN Gateway. The management includes the configuration of the devices, the roll-out of updates, the management of users and rights as well as the secure key and certificate management.

In combination with R&S® ComSec supporting indigo, the attestation of mobile devices, the secure creation of keys, variable routing of data traffic and communication with the Mobile Device Management MDM are outstanding.

R&S® Trusted Objects Manager	
	TOM-S
CPU	Intel Atom C3808, 12c
RAM	16 Gbytes
Storage	1 x 480 Gbytes
ETH interfaces	6 x 1 Gbit; 2 x SFP+
TPM	2.0
Design type	19 inches, 1 RU
Dimensions (W x H x D)	4.4 cm x 43.0 cm x 30.5 cm
Weight	5.6 kg
Power supply	230 V / 1 x 300 W
BTU	1124/h
MTBF	86,476 h

Mobile Device Management systems

SOTI MobiControl	Our recommended MDM system for use in dark-site or grey-site operation. In grey-site operation the use of, e.g. our product R&S® indigo in a Box, extends the trusted internal network to a remote location in the site-to-site mode via Trusted VPN, in order to perform the initial staging of several mobile devices there. If required, the MDM system SOTI MobiControl can be provided and integrated in a preconfigured manner.
Blackberry UEM	Blackberry is already functionally supported by Rohde & Schwarz Cybersecurity, but is currently, Blackberry does not provide technical support yet. The product Blackberry UEM is in the approval process for bright-site operation by the German BSI.
Ivanti MobileIron	The product Ivanti MobileIron is in the approval process for bright-site operation by the German BSI.
VMware Workspace One	The product VMware Workspace One is in the approval process for bright-site operation by the German BSI.
Further MDM systems	On request

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