dainox®

MobKommSysBw

German Core Network

SysTrp

The SysTrp (in German System-Trupp) is a deployable network node for the MobKommSysBw core network in operational areas. The climate-controlled cabinet solution with uninterruptible power supply (UPS) provides an integrated or VPN-accessible workstation for administrators.

Simultaneously, the cabinet functions as a connection point with standardized interfaces and protocols for local access networks and systems at the operational site.

It enables the redundant integration of various transmission systems such as microwave transmission, satellites, Carrier Ethernet and internet, as well as the automated commissioning of active components. This offers a wide range of deployment options both nationally and internationally.

Deployable network node

- X fully remotely monitorable
- X extensively field-tested
- X automated installation
- X completely redundant system design
- X approved encryption up to VS-NfD or NATO Restricted
- X NATO FMN PCN Spiral 3 and 4 tested and approved (AV&V)

MobKommSysBw

MobKommSysBw is the IP-based, widespread, high-performance, secure and highly available core network in the operational areas of the German Federal Armed Forces and provides an IP transport service in accordance with the IT-SysBW Mission reference architecture.

Features & protocols

WAN | LAN | VoIP | IPv4/v6 | QoS | FMN PCN | Transmission Agnostic | Encryption | Video

Components & interfaces

2x router with switch module

2x dainBox RM

2x crypto, certified by BSI (German Federal Office for Information Security)

2x fiber optic Ethernet media converter

2x UPS

16x HMA 2-lense multi mode

16x HMA 2-lense single mode

6x RJ45

2x LTE antenna connector

Operating conditions

Temperature range	Transport and storage: -33°C to + 71°C
	Operation: -32°C to +49°C
	Operating temperature of the IT components: +5°C to +40°C
Climate zones	A1, B3, C1
UPS autonomy time	min. 30 minutes

Technical data

Container type	FMB-I
Dimensions	Width 2050 mm, Height 1825 mm, Depth 2990 mm
Weight	2 t
Power consumption	max. 32 A
Power connection	400 V CEE
Standard reference	CE	DGUV V3 (accident prevention regulation, electrical installations and equipment)