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MobKommSysBw
German Core Network

MobKommSysBw
BTuLB
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BTuLB

The BTuLB (in German equivalent to an operational, transport and storage container) is a deployable network node for the MobKommSysBw core network in the operational area. It is functionally equivalent to the SysTrp, but allows for faster deployment at the operational site due to reduced logistics, installation and routine maintenance effort. The BTuLB is therefore ideally suited as a compact solution for small and medium-sized operational locations.

The portable container, equipped with an integrated uninterruptible power supply (UPS) and mounted air conditioning provides a compact chassis for all active IT components. Its standardized interfaces enable flexible connection of local networks and systems at the operational site.

Flexible network node

- ✗ fully remotely monitorable
- ✗ extensively field-tested
- ✗ automated installation
- ✗ approved encryption up to VS-NfD or NATO Restricted
- ✗ air conditioning unit and transport container included
- ✗ NATO FMN PCN Spiral 3 and 4 validated (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

1x router
1x 24 port PoE Switch
1x dainBox® RM
1x crypto certified by BSI (German Federal Office for Information Security)
fiber optic Ethernet media converter
1x UPS

External interfaces:
7x HMA 2-lense multi mode
12x HMA 2-lense single mode

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 (regulated by air conditioning system)
UPS autonomy time	min. 30 minutes
Climate zones	A1, A2, B1, B3, C0, C1

Climate Zone A1, A2 — CERTIFIED — STANAG 4370 E7
Climate Zone B1, B3 — CERTIFIED — STANAG 4370 E7
Climate Zone C0, C1 — CERTIFIED — STANAG 4370 E7

Technical data

Dimensions	Width 535 mm, Height 716,5 mm, Depth 771 mm
Weight	99 kg (without air conditioning system)
Power consumption	max. 9 A	typically: 1,5 A
Power connection	230 V AC 50 Hz
Standard reference	CE	DGUV V3
Air conditioning system	Width 535 mm, Height 705 mm, Depth 388 mm approx. 35 kg cooling 2,2 A	heating: 3,7 A cooling/heating capacity: 800 W

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