



Connection any time, any place – the KommServer

KommServer

Backbone of tactical communication

The tactical communication provider for the digital battlefield

The digital battlefield requires the transmission and management of a wide variety of media by way of the existing networks. The communication server from KNDS Deutschland Mission Electronics transmits voice and data over existing and future radio and wire networks in real time. To do so, it connects the battle management systems on the one hand, and the heterogeneous narrowband and broadband communication networks on the other, and handles the communication independently.

Central gateway for communication

As a core element in the communication network, the KommServer establishes a self-organising, mobile ad hoc network by integrating all communication resources into a single and fundamentally IP-capable network. It thus represents the backbone of tactical communication for networked operating command.

Future-proof KommServer system

The KommServer is a future-proof, cost-effective communication system which can adapt to new technologies at any time.

- » Links up different communication resources
- » Autonomous communication system
- » Voice gateway for troop radio
- » Data traffic across different protocols
- » Transmits voice and data in real time
- » Self-constructive network topology
- » Encrypts transmitted information

KNDS

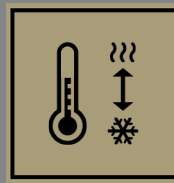
Key features



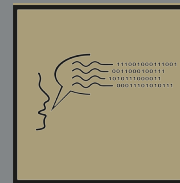
TEMPEST:
Zone 1 measured



Environment acc.
MIL-STD-810



Extended
temperature range



Transmission of
language and data

Technical Data

Hardware variants

- / KommServer according to NATO SDIP 27 Level B
- / KommServer with exchangeable Flash disc
- / KommServer in highly mobile design
- / KommServer with customer-specific functions
- / KommServer in customer-specific design
- / KommServer with project-specific interfaces

Computer

- / Intel® processor
- / 64-bit architecture
- / Customer-specific memory
- / Integrated encryption

Interfaces

- / Ethernet 10/100/1000 BaseT
- / Fibre optic cable
- / Serial interfaces
- / Bit-serial connection
- / Interface for remote data transmission
- / Audio interfaces
- / Customer-specific interfaces

Supported protocols

- / VHF / ultra short wave
- / HF / short wave
- / UHF / decimetric wave
- / Trunked radio
- / Mobile radio
- / Common ISDN Application Programming Interface (CAPI)
- / Voice over IP (VoIP)

Environment

- / Temperature shock, humidity, altitude, vibration, shock, salt fog, sand & dust, contamination by fluids, Immersion, Solar Radiation, Fungus according to MIL-STD-810
- / Testing according to STANAG 2895
- / Extended temperature range
Operation -46°C to +63°C;
Storage -46°C to +71°C
- / EMV according MIL-STD-461 & VG 95373
- / IP 65 protection
- / Vehicle electrical system according to VG 96916 & MIL-STD-1275
- / TEMPEST: COMSEC ZONE 1
Measurement according to and approved by NATO SDIP 27 Level B (AMSG 788)
- / CE conformity

Life Cycle

- / Externally replaceable CMOS battery
- / Obsolescence management
- / CENTURION i7 is always up to date with the latest technology