

TACTICAL RADIO LINK



SOFTWARE DEFINED BAND 3 TACTICAL RADIO LINK

RL532B Tactical Radio Link

Customers from more than 40 countries around the world have chosen the RL532B and its predecessors. This makes it one of the most sold and most successful radio links on the market.

The RL532B Radio Link provides 34 Mbit/s full duplex reliable and secure communication in a hostile Electronic Warfare (EW) environment. RL532B provides unique ECCM/EPM methods.

The RL532B is a software defined radio supporting simultaneous traffic on Ethernet and TDM interfaces. The RL532B is field-proven, with easy operation and a high level of support.

FEATURES

- Light weight and small, easy handling
- Spectrally efficient modulation
- Software defined modulations
- Quick deployment, efficient link establishment and planning
- Field proven equipment, ruggedized by design
- Advanced frequency hopping algorithms up to 2048 kbit/s
- Flexible data interface and SNMP based management
- Two separate IEEE 802.3 Ethernet interfaces
- AES256 encryption

ECCM/EPDM

- Automatic Power Control
- Automatic Frequency Evasion
- Pulse Jammer Protection - Advanced jammer detection algorithms.
- FEC, channel coding and interleaving.

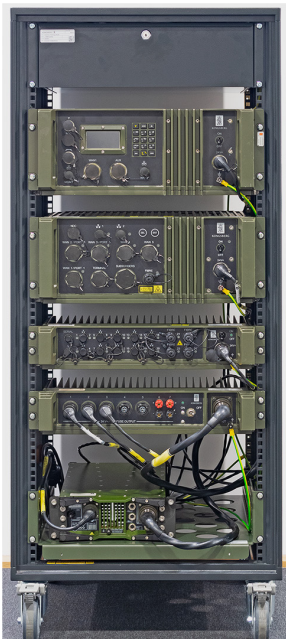
Management is performed from the KONGSBERG Communication Management System (CMS) or by using the HMI on the radio itself. RL532B is self-instructing with a high degree of automatic functions for ease of operation.

RL532B is a software defined radio with additional analogue filtering for superior tactical performance, ensuring long range and good collocation capabilities.

RL532B is well suited as communication carrier for tactical wide area networks and to connect command posts. Rapid link establishment combined with the robust waveforms ensures stable and reliable connections. The radio link is particularly well suited in weapon systems.



Communication in the field



K-TaCS communication rack

TECHNICAL DATA

General	Frequency range:	1,35 - 2,69 GHz
	Duplex spacing:	Minimum 50 MHz
	Channel spacing:	125 kHz
	Transmission capacity:	34 Mbit/s FD
	Modulation:	FSK,4/16/64 QAM
	Order wire (EOW)	Digital 16 kbit/s
Transmitter	Output power:	+36 dBm FSK
	APC dynamic range:	20 dB
	Spurious attenuation:	80 dB
	Harmonic attenuation:	60 dBc (2nd and 3rd harmonics 80 dbc for higher order)
Receiver	Sensitivity	
	8448 kbit/s:	-86 dBm (16 QAM)
	34 Mbit/s:	-76 dBm (64 QAM)
ECCM	FH Mode:	up to 2 Mbit/s
	Adaptive FH mode:	up to 2 Mbit/s
	Automatic power control:	All modes
	Frequency evasion:	Fixed frequency modes
	Pulse jamming protection:	Fixed frequency modes
	AES256 encryption (option)	
Power Supply	19 - 32 VDC MIL-STD 1275	
	120 W nominal power consumption	
Environmental	Operating temp:	-40°C to +55°C
	Environmental:	MIL-STD-810 army ground
	EMC:	MIL-STD 461 army ground
Dimensions	Height	177 mm excluding handles
	Weight	483 mm excluding handles
	Depth	385 mm excluding handles
	Weight	20 kg

