IT

COMMUNICATIONS

MODERN SOLUTIONS

KenBIT

BITcom

The BITcom On-Board Communication System is designed to integrate local telecommunications services of the vehicle crew, as well as to ensure communication with other communication and command systems operating in the Polish Armed Forces.

The system is designed for installation on combat and command vehicles.

The basic BITcom system set ensures:

- reliable internal voice communication
- access to means of radio communication from any position in the network listening mode and in transmit/receive mode
- remote control of the radio functions from the intercom panel (BC-TEL)
- cooperation with the dismounted crew via radio telephones
- possibility to organize a mobile/remote work post (WSP-1)

ELEMENTS OF THE BITCOM SYSTEM
1. BC-CI control unit
2. BC-TEL system telephone
3. BC-KOMP computer
4. Tactical radio access subsystem module

INTERFACES	DIGITAL TRACKS	SIGNAL PROCESSING
100/BASE-FX/100BASE-SX	G.704	STANAG 4206
Ethernet 10/100/1000BASE-T	STANAG 4210	STANAG 4578
VDSL	EUROCOM AMI	ISDN DSS1(Q.931)
Subscriber lines		VoIP: SIP i H.323

Company website

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FEATURES OF THE BITcom SYSTEM

INTERCOM FUNCTIONS

- Reliable internal voice communication
- Access to means of radio communication from any position in the network listening mode and in transmit/receive mode
- Remote control of the radio functions from the intercom panel (BC-TEL)
- Cooperation with the dismounted crew via radio telephones
- Possibility to organize a mobile/remote work post (WSP-1)

GEOLOCATION

- The positions of individual members of dismounted crew are displayed on the screens of the Automated Workstations
- Data for monitoring the positions are collected from GPS receivers built in the radios and radiotelephones

HF/UHF RADIO ACCESS SUBSCRIBER FUNCTIONS

- Connection via HF/UHF channels between subscribers of analogue and digital telecommunications networks

DATA EXCHANGE

- Exchange of formatted (ADatP-3) and unformatted messages
- The system allows for automatic graphical display of the tactical situation and position of own objects and their status (e.g. status of ammunition, fuel, etc.)
- Receipt of alert signals and vehicle diagnostic data

WIRED COMMUNICATION
Data exchange between AWPs (LAN)
Vehicle intercom function
Handling of vehicle alarm and diagnostic sensors
Remote work post up to 2km
Communication (voice, data) for the dismounted assault team

WIRELESS COMMUNICATION
Voice communication with the dismounted assault team
Data exchange between the dismounted assault team and the vehicle's AWP
Alarm signal transmission
Transferring text messages without the use of computer
Simultaneous execution of voice and data services

VOICE SERVICES
Automatic connection with the STORCZYK and JAŚMIN system
Connection via HF/UHF channels between subscribers of analogue telecommunications networks
Supports ISDN, VoIP SIP and H.323 subscribers. Supports connections between subscribers of different HF/UHF radio networks and radio directions
Connections with subscribers of single access points and multi access points subsystems

DATA TRANSMISSION SERVICES
Data transmission compatible with STANAG 5066
E-mail services through HF/UHF channels
Text messages handling
Exchange of confirmed and non-confirmed messages
Collaboration with commuted and packet networks
HTTP, FTP, TELNET and other services available from packet network subscribers' working stations
Cooperation with automated systems like: IRYS 2000, SZAFRAN ZT, TOPAZ, PRZEBIŚNIEG, PROCJON, BREŃ, TUJA, TRI

Product website

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