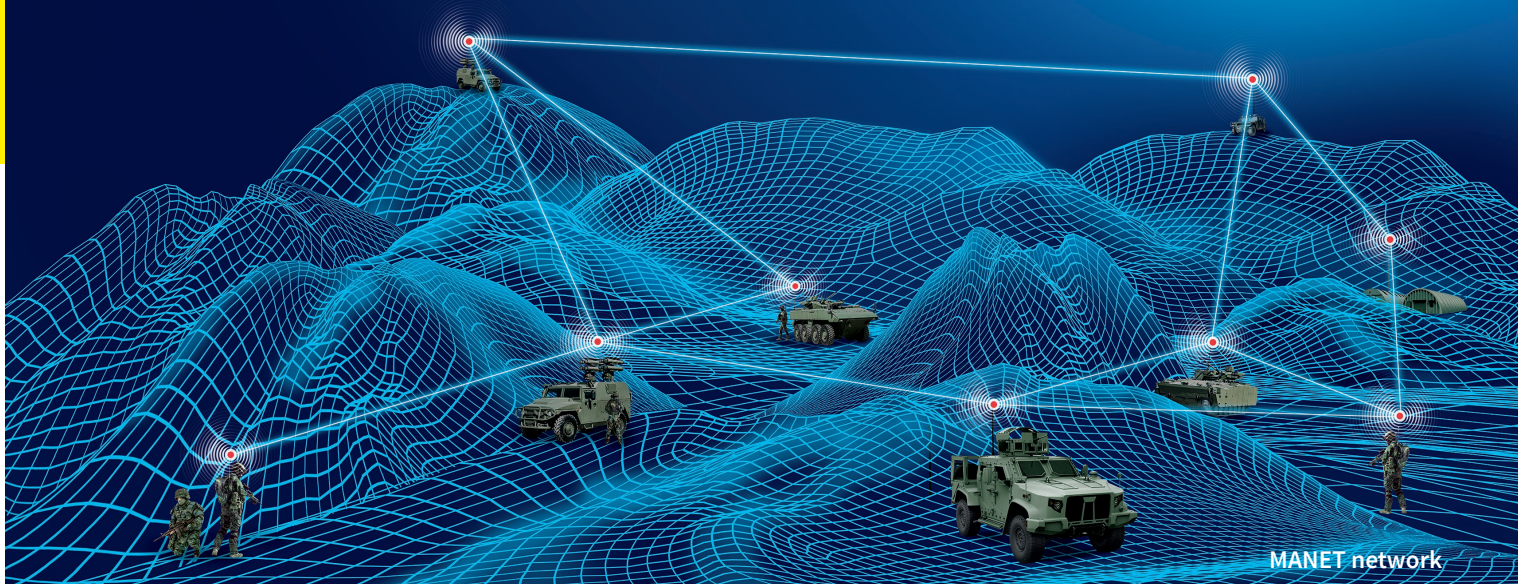


DICOM[®]RF40 handheld radio

- 30 MHz to 512 MHz frequency range
- Multiple waveforms support
- Simultaneous voice and IP data
- Virtual voice channels
- True MANET network in VHF/UHF
- Position reporting system (GPS, Galileo, GLONASS, Beidou)
- AES based COMSEC
- Up to 10 W power output
- Mission Modules support
- Compatibility with legacy systems



RF40



MANET network

The RF40 multiband, multirole VHF/UHF radio.

Variety of waveforms

FM/AM - voice modes according to STANAG 4204/4205 support legacy ground-to-ground and ground-to-air communication.

WF40 - full fledged COMSEC-secured MANET-type network for voice and data communication in VHF and UHF with automatic rebroadcasting capability over several hops in just 250 kHz wide radio channel offering up to 270 kbit/s capacity for user data.

This modern software defined radio platform is open for further custom waveform porting.

Mission Module

Expands the radio features according to the actual mission needs. Open platform for installation of custom specific devices of different types. For example a second independent broadband radio channel for voice and data transmission in MANET-type network, featuring data transmissions in dozens of megabits depending on the radio channel bandwidth setup.

GNSS

Built-in GNSS receiver for GPS, Galileo, GLONASS and Beidou systems with automatic despatch of positional reports (PLI) in the background of voice or data communication.



Technical parameters:

| | |
|---|---|
| Frequency range | 30 MHz to 512 MHz |
| Modulation type | FM, AM, CPM |
| Transmission power | up to 10 W |
| Channel spacing | 10 Hz, 6.25 kHz, 8.33 kHz, 12.5 kHz, 25 kHz |
| Channel bandwidth | 25 kHz, 250 kHz |
| Waveforms | FM/AM (STANAG 4204/4205) WF40 (VHF/UHF MANET waveform) |
| Communication security | AES |
| GNSS receiver | built in (GPS/Galileo/GLONASS/Beidou) |
| Data interfaces | Ethernet, USB |
| Environmental | |
| Dimensions including battery pack (W x L x D) | 75 mm x 202 mm x 41 mm |
| Weight including battery pack | 0.9 kg |
| Operating temperature range | -30 °C to +60 °C |
| Environmental specification | MIL-STD-810G |
| EMC specification | MIL-STD-461F |



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