

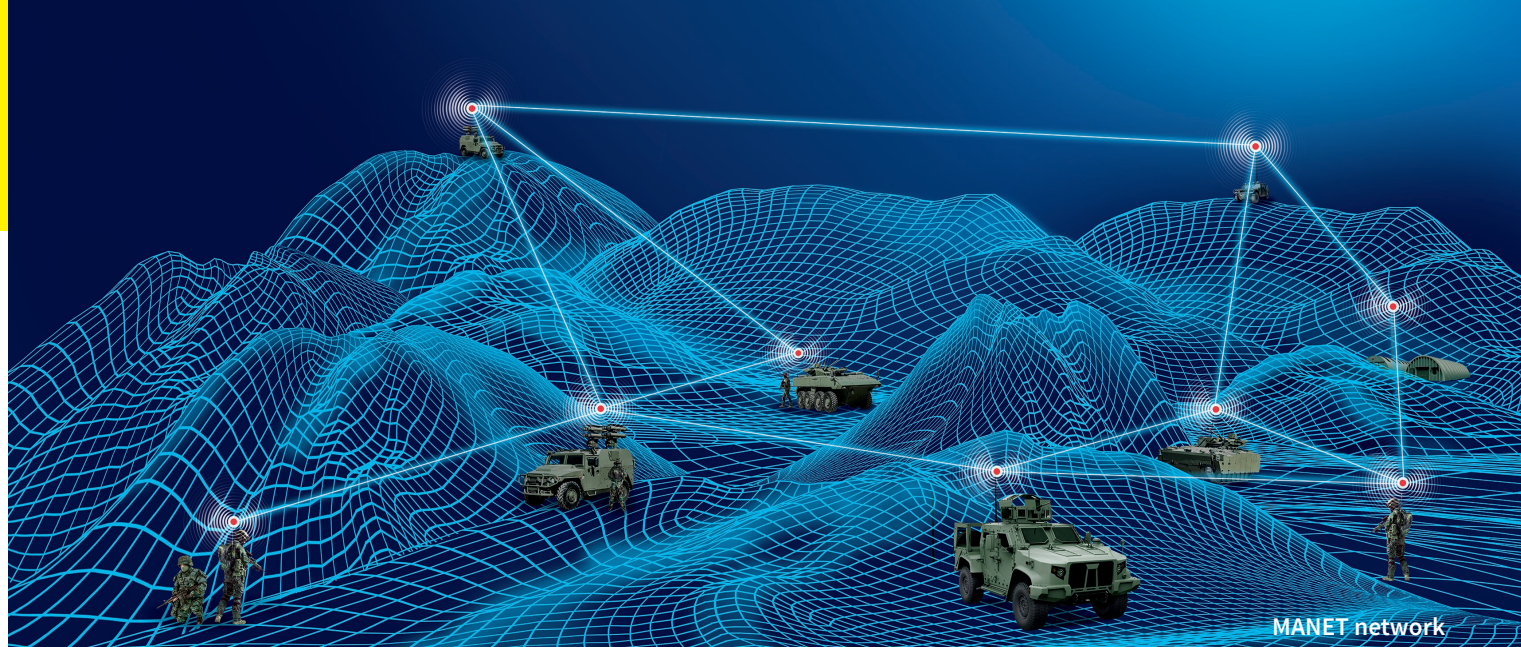
# DICOM®RF40 handheld radio

- 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





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	5 W/10 W
Channel bandwidth	25 kHz, 250 kHz
Waveforms	LOS FM/AM (STANAG 4204/4205) WF40 (VHF/UHF MANET waveform)
Communication encryption	AES
GNSS receiver	built in (GPS/Galileo/GLONASS/Beidou)
Data interfaces	Ethernet, USB
<b>Environmental</b>	
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	-40 °C to +60 °C
Environmental specification	MIL-STD-810G
EMC specification	MIL-STD-461F



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