

DICOM[®] RF23 EPM handheld radio

- Voice & data encryption
- Frequency hopping
- AES based TRANSEC/COMSEC
- IP data
- GPS position reporting system (PLI)
- Short text messages service (SMS)
- Repeater supported





The RF23 handheld multiband transceiver designed for squad, team, platoon, and company operations, features superior resistance against radio-electronic warfare.

This device forms part of the RF20 tactical radio range and communicates with various analogue and digital waveforms, including frequency hopping. Secure voice and data communication is encrypted using the AES algorithm, with an effective key length of 384 bits. AM modulation enables direct communication with aircraft radios. Data communication conforms to MIL-STD-188-220, providing IP data capability in MANET network architecture. Position location is also supported. Information (PLI), auto-collected by the in-built G-Track position reporting system, can be effortlessly transferred to BMS or other C2/C4 applications.

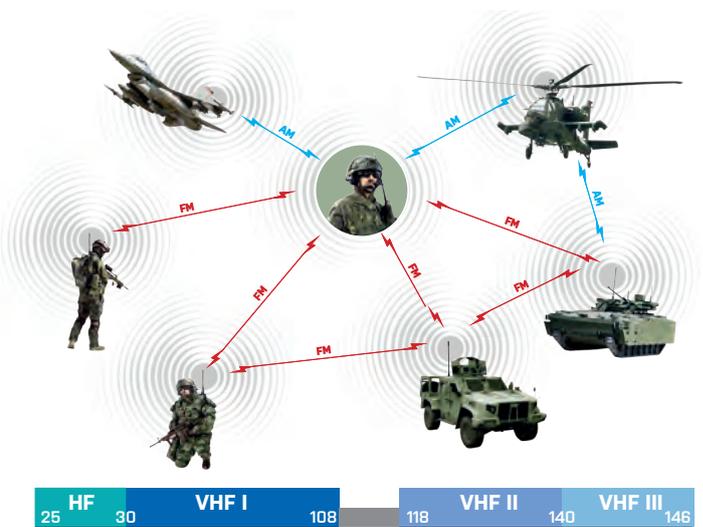
The compact size, straightforward design and simple interface enables hassle-free operation in even the harshest battlefield conditions.



Technical parameters:

Frequency range		25 to 146 MHz
Modulation type		FM, AM
Channel spacing		25 / 12.5 / 8.33 / 6.25 kHz
Transmission power:	FM	0.2/2/5 W
	AM	0.1/1 W
Battery life (1 : 1 : 10):	LP1302	14 hours
	LP20	26 hours
Data capabilities:	MANET	acc. MIL-STD-188-220 6 hops auto-relay SLIP / PPP
	P2P	2.4 - 7.1 kbit/s
	Synchronous data	16 kbit/s
Environmental parameters and dimensions:		
Temperature range		-40 to +70 °C
Immersion		1 m
Environmental specification		according to MIL-STD-810E
EMC		according to MIL-STD-461E
Dimensions*		90.8 x 189.7 x 41.4 mm [w x h x d]
Weight		max. 1.35 kg

*including LP1302 battery pack, without GPS antenna



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