



WB GROUP 

Software defined radio

COMP@N H07



The COMP@N H07 is a multisystem handheld SDR radio, developed using a common hardware platform for all COMP@N family radios, on which there are a number of waveforms implemented. The radio is designed for voice communication, including: tactical short-range VHF and UHF communication for land forces; tactical short-range communication VHF for air force; communication with civilian services that use radio channels and modulation types available in the radio.



COMP@N H07 Waveforms

DV Reutech narrowband waveform providing services of secure voice transmission interoperable with Reutech radios

RSD narrowband waveform for data transmission

FM/AM fixed frequency interoperable with devices that support STANAG 4203/4204/4205

Technical Specifications

COMP@N H07 Waveforms

DV Reutech	operating modes	FH (Frequency Hopping): 100 hop/s
		FF (Fixed Frequency)
	voice transmission	digital
	channel	25 kHz
	security (AES-256 based)	TRANSEC
		COMSEC
	pre-defined profiles with set of mission parameters (radio data, encryption keys)	
RSD	channel	25 kHz
	capability to enter data via Ethernet or serial port	
	capability to transmit GPS reports	
	modulation	$\pi/4$ DQPSK
	data rate up to 40 kb/s	
FM/AM fixed frequency	modulations	FM, AM
	transmission modes	F3E, A3E
	channel	FM: 25 kHz
		AM: 8.33 kHz, 25 kHz
	squelch	

COMP@N SDR Platform

General	a large color display	
	auto backlight intensity regulation	
	menu	
	double PTT button	
	backlit keyboard	
	Emergency Clear button	
	build-in GPS receiver	
	dimensions (without antenna)	220 x 86 x 44 mm
	weight (with battery and antenna)	~ 1000 g
	with amplifier and car adapter creates 50 W vehicular set	
RF	frequency range	20 ÷ 520 MHz
	output power	up to 5 W
	3 definable output power levels	
	suppression of harmonics	> 50 dBc
	frequency stability	± 1 ppm
	sensitivity	- 116 dBm (SINAD 20 dB)
	adjacent channel selectivity	≥ 50 dB
Interfaces	Audio / PTT	
	RS232	
	Ethernet 10/100	
	USB	
	CAN	
	Side Connector (to work with COMP@N accessories)	
Environmental parameters	operational temperature	-32°C ÷ +55°C
	immersion 1 m for 2 hours (MIL-STD-810G)	
	MIL-STD-810G	
	EMC MIL-STD-461F	



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Note: The given parameters are not binding specifications. The company reserves the right to change the technical parameters of the device.
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