



WB GROUP 

Software defined radio

COMP@N H08



The COMP@N H08 is a SDR handheld radio, developed using a common hardware platform for all COMP@N family radios. This COMP@N radio has implemented a frequency hopping waveform (W2FH), which allows simultaneous transmission of voice, data, SA (Situation Awareness) and GPS reports.



COMP@N H08 Waveforms

W2FH (Waveform with Frequency Hopping)	narrowband EPM (Electronic Protective Measures) waveform that can operate in the frequency hopping mode or at fixed frequency
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FM/AM fixed frequency	interoperable with devices that support STANAG 4203/4204/4205
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Technical specifications

COMP@N H08 Waveforms

W2FH	EPM (Electronic Protective Measures) class waveform	LPD (Low Probability of Detection) LPI (Low Probability of Interception) AJ (Anti-Jamming)
	operating modes	FH (Frequency Hopping): 300 hop/s FF (Fixed Frequency)
	services	digital voice (e.g. MELPe 2400, CODEC2) SA (Situation Awareness) messages and GPS reports data (e.g. serial data, sensor data)
	simultaneous transmission of voice, data and SA/GPS messages	
	SA (Situation Awareness) data and GPS data can be attached to each transmission of voice and data	
	synchronization without GNSS (e.g. GPS)	
	Radio Silence mode	
	modulation	CPM
	channel	25 kHz with possible extension (e.g. 50 kHz, 75 kHz)
	security (AES-256 based)	TRANSEC COMSEC
data rates	up to 26 kb/s	
definable frequency range and sub-bands		
pre-defined W2FH profiles with set of mission parameters (radio data, encryption keys)		
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 1m 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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