

4921

VHF P25 Telephone Interconnection Radio



General Properties

- P25 Communication Protocol
- SIP/VOIP Support
- Working on both simplex and duplex channels
- Plug and Play
- Call from the radio to the phone
- Call from the phone to the radio (both individual and group calls)
- Removing from needs of server and switching device
- File transfer through USB connector

Receiver-Transmitter Architecture

- 8GB storage
- ARM based processor
- Linux operating system
- USB connector
- Ready for though environmental conditions

Menus and Functional Properties

- Zone/Channel Selection
- Channel/Group Scan
- SMS
- User and System Profiles
- Caller ID
- Group Call
- Individual Call
- Volume Settings
- Settings

Standards

IEC 61149	MIL-STD-810C/D/E/F/G
ETSI EN 300 086-2	TTTE Directive
ETSI EN 300 113-2	TIA-102.CAAB-D
ETSI EN 301 489-1,5	TIA-603-D
ETSI EN 60950	



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General Technical Specifications

Weight	2425 g
Dimensions (excluding bulges and knobs)	61 x 177 x 246 mm (HxWxD)
Operating Temperature Range	-30°C / +60°C
Storage Temperature Range	-40°C / +85°C
Power Supply	13,6±%20Vdc
Processor	ARM9
Operating System	Linux

Receiver Technical Specifications

Frequency Range	136-174 MHz
Sensitivity	≤-119 dBm
Intermodulation Rejection	≥75 dB
Audio Distortion	≤ 5% (At nominal audio level) ≤ 5%(under the nominal audio level 17dB)
Bit Error Rate	≤ 0,01%
Standby Current- Receiver (Rx) Current	≤500 mA, ≤1,2 A

Transmitter Technical Specifications

Frequency Range	136-174 MHz
Output Power	10-90 W
Frequency Accuracy	≤ 0,5 ppm
Modulation Fidelity	≤ 3%
Transmitter (Tx) Current	≤ 8,0 A

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VHF P25 Telephone Interconnection Radio



Handheld Control Head

Handheld Control Head Technical Properties*

Weight	297 g
Dimensions	132 x 68 x 42 mm (HxWxD)
Operating Temperature Range	-30°C /+60°C
Storage Temperature Range	-40°C /+80°C
Processor	ARM Cortex-M4
Screen	1,8 inch 64x128 pixel OLED

*: You can use the Desk Type Control Head or the Standard Control Head instead of Handheld Control Head.

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