Hytera

P5 Series PoC Radio

Where Reliability Meets Simplicity



www.hytera.com/eu

Reliability

Overview

Hytera P5 Series is a powerful PoC radio that leverages push-to-talk (PTT) over cellular networks, providing nationwide coverage and enhanced communication efficiency. By combining exceptional PTT performance with advanced data capabilities, it empowers professionals in security, logistics, transportation, and urban management to communicate effectively and collaborate seamlessly.

Ruggedized Connector & Port

It features a 9-pin audio connector with a screw-in design to securely attach the earpiece to the radio. The waterproof Type-C charging port, crafted from high-strength alloy, ensures durability for long-term use.

Always Connected

Stay connected with the P5 Series, even in areas with weak signals. Its professional dual antenna design delivers excellent signal performance, ensuring seamless communication, for instance in B5 band with a TRP of 18.5 dBm and a TIS of -93.5 dBm.

Power through Longer Shifts

Equipped with a low-power, high-performance chip and a 4,000 mAh battery, the P5 Series offers up to 36 hours* of operation.

***Operating on a 10-10-80 duty cycle**





Superior Audio Quality

Ultra Loud

Equipped with a 3W built-in speaker and a professional cavity design, it delivers an intensive sound of up to 103 dB at 30 cm, ensuring clarity in noisy environments.

Crystal Clear Audio

Advanced noise cancellation filters out surrounding sounds for clear communication, while howling suppression eliminates feedback when radios are close together, ensuring messages are transmitted without interruption.

High Fidelity

Utilizing wideband audio processing technology with a 16 kHz sampling rate and a frequency range of 20 Hz to 8 kHz, it reproduces sound naturally for enhanced clarity and understanding.

Simplicity



Work Jointly in Seconds

With Quick Group*, the P5 Series enables you to create or join a group instantly, saving time and enhancing teamwork.
***Optional**

Clone Your Radio, Simply and Swiftly

With Radio Clone*, the P5 Series allows for quick configuration cloning from one radio to multiple radios via WiFi.
***Optional**

Easy to interact with Info Displayed

The large 2.4-inch color screen features a full-view display* with an intuitive UI, allowing for flexible shoulder and waist wearing. This design enables quick access to key information at a glance.
***P50 Pro only**

Rotate & Communication

The group switch knob enables quick group switching. Paired with Voice Notification*, the P5 Series informs you of the group you've switched to, helping you stay focused on your tasks.
***Coming soon**



All data is from lab testing; actual results may vary based on environmental conditions.

Application Scenarios













Specifications

Model	P50 Pro	P50
Memory	RAM (2 GB), ROM (32 GB)	RAM (1 GB), ROM (8 GB)
Weight	209g	190g
NFC	Available	/
Camera	8 MP, 1080p@30fps	/
Sensor	Optical distance sensor, Gravity sensor	/
Numeric Keypad	Available	/
Frequency Range	EU version GSM: 850/900/1800/1900 WCDMA: B1/B3/B5/B8 LTE TDD: B34/B38/B39/B40/B41 LTE FDD: B1/B3/B5/B7/B8/B18/B19/B20/B26/B28 US version GSM: 850/900/1800/1900 WCDMA: B2/B4/B5 LTE TDD: B38/B41 LTE FDD: B2/B3/B4/B5/B7/B12/B13/B17/B26/B28	
Core Frequency	2.0GHz	
Operating System	Android 12	
Dimensions (H x W x D)	131 mm x 61 mm x 23.5 mm	
Screen	2.4-inch color LCD screen, 320 x 240 pixels	
Location	GPS/BDS/GLONASS/Galileo BDS only (optional)	
WLAN	WLAN 5 802.11 (2.4G/5G) ac/a/b/g/n	
BT	BT 5.0	
Speaker Power	2 W (rated), 3 W (max.)	
Battery	4,000 mAh	
Interface	9-pin audio connector, USB Type-C	
Card Slot	Nano SIM card slot x 1, TF card slot x 1	
Operating Temperature	–20°C to + 60°C	
Storage Temperature	–30°C to + 70°C	
ESD	IEC 61000-4-2, (ESD) ± 12 kV (Air), ± 8 kV (Contact)	
IP Rating	IP68	
Drop Resistance	1.5 m	
Certificate	CE	
Man Down	Support* **(P50 Pro only)**	
Lone Worker	Support*	
MIL-STD 810H	Support	

*Available with the Hytera HyTalk Platform.

Accessories

● Standard ● Optional



● Battery



● Data Cable



● Adapter



● Belt Clip



● Wired Earpiece



● Remote Speaker Microphone



● BT Remote Speaker Microphone



● Charger

(Coming soon)



● Multi-unit Charger

(Coming soon)



● BT Earpiece

(Coming soon)

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