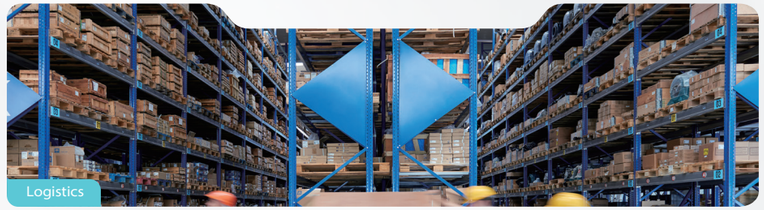
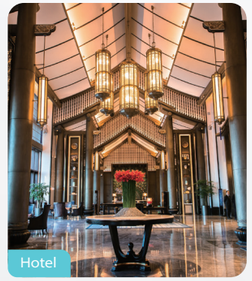
Application Scenarios













Specifications

Model	P50E
Memory	RAM (2 GB), ROM (32 GB)
Weight	200g
NFC	Available
Sensor	Gravity sensor
Numeric Keypad	Answer&Hang up key
Frequency Range	GSM: 850/900/1800/1900 WCDMA: B1/B3/B5/B8 TDD-LTE: B34/B38/B39/B40/B41（Full Band） FDD-LTE: B1/B3/B5/B7/B8/B18/B19/B20/B26/B28（Full Band）
Core Frequency	2.0GHz
Operating System	Android 12
Dimensions(H×W×D)	131*61*23.5mm
Screen	0.96-inch color LCD screen, 160 x 80 pixels
Location	GPS/BDS/GLONASS/Galileo/AGPS
WLAN	WLAN5 802.11(2.4G/5G)ac/a/b/g/n
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（1.2m 1h）
Drop Resistance	1.5 m
Certificate	CE/Common Charging/EN18031
Man Down	Support
Lone Worker	Support

Accessories

● Standard ● Optional



● Battery



● Data Cable



● Adapter



● Belt Clip



● Wired Earpiece



● Palm Microphone



● Wireless Remote Speaker Microphone



● Charger



● Multi-unit Charger



● Earpiece

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Hytera

P50E

PoC Radio

Where Reliability Meets Simplicity



Reliable Communication

Ruggedized Connector & Port

P50E features a 9-pin audio connector and a durable, waterproof Type-C port made from high-strength alloy.

* Tested in B5 TRP 18.5 dBm TIS -93.5 dBm

Always Connected

Stay connected with the P50E, even in areas with weak signals. Its professional dual antenna design delivers excellent signal performance, and seamless communication.



Power for Longer Shifts

A high-performance chip and 4,000 mAh battery power the P50E for up to 30 hours*.

*10-10-80 duty cycle

Superior Audio Quality

Ultra Loudness
With a 3W speaker, P50E reaches max volume of 103 dB at 30 cm, ensuring clear audio in noisy environments.

Crystal Clarity
Advanced noise cancellation and howling suppression ensure clear, uninterrupted communication by blocking ambient sound and feedback.

High Fidelity
Its wideband audio (20 Hz–8 kHz) and 16 kHz sampling rate deliver natural, clear sound, making voices sound lifelike.



Overview

The Hytera P50E is a powerful PoC radio that leverages push-to-talk (PTT) over cellular networks,features a purpose-built minimalist display. The 0.96" screen shows critical information, allowing you to concentrate fully on your task. P50E delivers reliable, efficient communication, which is perfect for professionals in security, municipal service, transportation, industrial park and hotel.

Simple Operation

Guard Tours Made Easy

Simplify patrols with NFC check-ins. Manage and dispatch tasks in seconds HyTalk V3.2 for real-time accountability and operational efficiency.

Stay Focused. Mission Ready.

The 0.96" screen shows only critical info—standby group, battery, and status. It helps you focus on your task and environment for maximum efficiency.



Guard Your Safety

- Man Down | Get emergency help automatically for a fallen worker.
- Lone Worker | Ensure constant safety check-ins for solo personnel.

Rotate. Hear. Well done!

The group switch knob enables quick group switching. Paired with Voice Notification, P50E informs you of the group you've switched to, helping you stay focused on your tasks.

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