









PD482i UHF/VHF Two-Way DMR Radio

The PD482i is a cost-effective two-way radio with advanced features:

- Functions in digital and analog modes in radio-to-radio calls, or with any Hytera repeater or base station
- Rugged and ergonomic design with full keypad, high contrast OLED screen, and programmable buttons
- Built-in GPS and Bluetooth, emergency calling, and voice activated communications (VOX)
- Supports Tier II radio networks, pseudo trunking, and Radio Registration Service for connectivity to dispatch applications







PD482i Key Features



ERGONOMIC AND EASY TO USE

- Tactile buttons for no-look PTT and emergency calling
- · High contrast OLED screen, full keypad, and three programmable buttons
- Dual band antenna supports UHF or VHF



ANALOG AND DIGITAL AUTO DETECT

- Simultaneously monitors analog and digital modes and automatically responds in each mode
- Enables simple and cost-effective migration from analog to digital



HIGH QUALITY AUDIO

- Audio equalizer adjusts low, mid, and high frequency gain
- · Provides the best audio performance in noisy or quiet environments



LONG-LIFE BATTERY

- Powerful Li-lon 2000mAh battery
- Delivers up to 22 hours of operation in digital mode and 16 hours in analog mode



RELIABLE AND DURABLE

- Compliant with MIL-STD-810 G for impact strength and durability, and IP54 water and dust ingress
- -22°F to +140°F (-30°C to +60°C) operating temperature



- EMERGENCY ALARMS AND CALLING

- Emergency Alarms can be sent to other radios via the one touch programmable button
- Improves worker safety and emergency response time



TEXT MESSAGING

- · Free-form text messaging with full keypad
- · Stores up to ten pre-defined text messages



GPS POSITIONING

• The built-in GPS enables real-time location tracking for dispatch applications (only on PD482i-G-BT models)



BLUETOOTH

• Built-in Bluetooth enables connectivity to earpieces and other wireless accessories (only on PD482i-G-BT models)



VOX

- Voice activated communications (VOX) activates the microphone by speaking to enable hands-free operation
- · Also supported on external earpiece and microphone accessories



REAL TIME CLOCK

· Real-time display, call logs, GPS synchronization, and messaging



UPGRADE FEATURES (Optional)

- Encryption for secure audio and data
- Priority Interrupt allows dispatcher to interrupt existing calls with important emergency information
- Remote Monitor allows dispatcher to key the PTT button and listen in an emergency situation
- Stun/Revive enables dispatch and other users to disable/enable a radio if it is stolen, lost, or used maliciously

Standard Accessories



Systems and Network Features

ROAMING

 Allows radios to seamlessly move between connected repeaters with uninterrupted voice transmission

PSEUDO TRUNK

 This virtual trunking feature automatically uses whichever digital timeslot is free to improve call connectivity and frequency efficiency

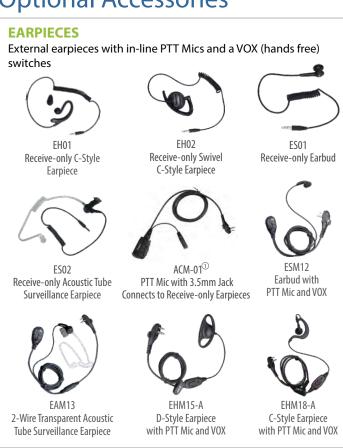
DMR TIER II

• The PD482i can be deployed on DMR Tier II systems

RADIO REGISTRATION SERVICE

 RRS allows the PD482i to communicate with dispatch and unified communications applications

Optional Accessories



POA121 PTT Bluetooth Ring (attach to finger or handlebars) BLUETOOTH ESW-01 Bluetooth earpiece with charger (requires PS1030 power adapter)

REMOTE SPEAKER MICROPHONES

Remote Speaker Mics provide easy access for audio, are IP rated for water resistance, and have audio jacks for receive only earpieces.



SM08M3^① IP54 Rated



SM13M1[©] Noise Cancelling with High/Low Speaker Volume , IP55 Rated



SM26M1[©] IP54 Rated





CH10A06-PS2002 Dual Pocket Charger (Radio and one battery) with Power Adaptor



Multi-unit Charger for Six Li-ion Batteries with power supply (12V/7A)



CHV09 Vehicle Adapter (Input: 11-25V DC, Output: 12V DC & 1A)



BL1504 1500mAh Li-Ion Battery



PC76
Data programming cable



NCN011 Nylon Carrying Jacket



① Features 3.5mm jack for receive-only ES01 Earbud, ES02 Acoustic Tube Surveillance Earpiece, EH01 C-Style Earpiece, and EH02 Swivel C-Style Earpiece

[©] Features 2.5mm jack for receive-only EAS03 Acoustic Tube Earpiece, EHS18 C-Style Earpiece, and EHS17 Swivel C-Style Earpiece

Specifications

	General
requency Range	UHF 350-470MHz , VHF 136-174MHz
Channel Capacity	256 Channels (128 Analog, 128 Digital)
Zone Capacity	16 Zones with 16 Channels per Zone
Channel Spacing	25/12.5kHz
Operational Voltage	7.4W
Battery	2000mAh (Li-lon)
Battery Life (5/5/90)	12 hours Digital, 16 hours Analog
Weight	10.86oz (308g)
Dimensions	4 5/8" x 2 5/32" x 1 15/32" (117 x 55 x 37mm)
Frequency Stability	± 0.5ppm
Antenna Impedance	50Ω
	GPS
TTFF (Time to First Fix) Cold Start	<50 Seconds
TTFF (Time to First Fix) Hot Start	<5 Seconds
Horizontal Accuracy	<10 meters
	Receiver
Digital Sensitivity	0.22μV (BER 5%)
Analog Sensitivity	0.22μV (Typical) (12dB SINAD) 0.4μV (20dB SINAD) 0.22μV (12dB SINAD)
Adjacent Selectivity	TIA-603: 60dB @ 12.5kHz, 70dB @ 25kHz ETSI: 60dB @ 12.5kHz, 70dB @ 25kHz
Spurious Response Rejection	TIA-603: 70dB @ 12.5/25kHz ETSI: 70dB @ 12.5/25kHz
Intermodulation	TIA-603: 70dB @ 12.5/25kHz ETSI: 65dB @ 12.5/25kHz
Hum and Noise	40dB @ 12.5kHz, 45dB @ 25kHz
Rated Audio Power Output	0.5W
Rated Audio Distortion	≤3%
Audio Response	+1 to -3dB
Conducted Spurious Emission	<-57dBm

All specifications are subject to change without notice due to continuous development.



Hytera North America

Hytera US Inc.

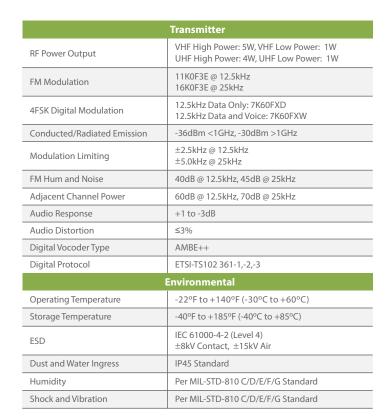
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Ordering Information

Part Number	Description
PD482i-G-BT-Uv	UHF 350-470MHz (Antenna 400-470), 256CH, 4W, GPS, Bluetooth
PD482i-G-BT-V1	VHF 136-174MHz (Antenna 147-160), 256CH, 1-5W, GPS, Bluetooth
PD482i-Uv	UHF 350-470MHz (Antenna 400-470) 256CH, 4W
PD482i-V1	VHF 136-174MHz (Antenna 147-160) 256CH, 1-5W









