



Pocket-Size Digital Portable Radio

PD362 *i*SERIES

- Pocket-Sized Design with Easy Charging Through Micro-USB
- Analog / Digital Dual Mode Operation for Easy Transition to Digital



The Hytera PD362i is an open-standard DMR radio capable of providing quality voice communication in a small pocket-sized design approved to IP54 and MIL-STD 810 testing. The 2000 mAh long lasting battery yields approximately 12 hours under a 5-5-90 duty cycle in digital mode. This is the ideal radio solution for small organizations looking for a cost-effective way to migrate to clear digital communication.

Applications

Retail

Malls

Restaurants

Hotel

Events

Warehouse

Education

Executives



Product Features

- Pocket Size Design**
 The monochrome display allows good visibility even under extremely strong light. The compact antenna design and light weight PC & Metal frame design. The PD362i is 4.84 x 2.17 x 0.91 inches weighing 5.64oz.
- Micro USB Port**
 The Micro USB port allows you to use a standard USB to Micro USB to charge the radio
- Compact Antenna**
 The creative and compact antenna design makes the PD362i sleek and gives it a cellular phone feel
- Monochrome Display**
 Two line display with monochrome color and supports messaging with up to 64 characters.
- Dual Mode: Analog & Digital**
 Dual mode (analog & digital) operation ensures a smooth analog to digital migration.
- Scan**
 Capable of scanning of pure analog voice and signaling, pure Digital voice and data.
- Mixed Mode RX**
 Allows the radio to monitor both analogue and digital calls on a single frequency.
- Versatile Voice Calls**
 The intelligent signaling supports various voice call types, including Private Call, Group Call, and All Call.
- Various Analog Signaling Types**
 Various analog signaling types various squelch control types (CTCSS / CDCSS), thus providing higher function expansion capacity to the analog world.
- Additional Features**
 Voice Calls - Private, Group Call and ALL CALL
 Pre-programmed text messages
 Pseudo Trunk operation & Basic Encryption (via license)
 Remote Monitor, Radio enable / disable and Priority Interrupt (via license)
 Radio Registration Service (RRS)
 Emergency Call
 Roaming
- Wireless Charging**
 Wireless charging (requires new battery cover and wireless charging dock) for ease of use



Pocket Size Design



Superior Audio

Single Pin Accessory Port



Micro USB Charging



Accessories

Included

- Li-Ion Battery
- Micro-USB Power Adapter
- Antenna (attached)
- Belt Clip
- Nylon Strap

Optional



Wireless Charging Kit
POA113



Rapid Rate
Charger
CH10L20



Programming Cable
(Micro USB / USB Port)
PC69



Earset C-Type
In-line Speaker / MIC
EHS16

See website for full list

Specifications

General	Frequency Range	UHF: 430-470Mz		
	Channel Capacity	256		
	Channel Spacing	25 / 12.5KHz		
	Operating Voltage	3.7V		
	Battery	2000mAh (Li-Ion)		
	Battery Life (5-5-90 Duty Cycle)	Analog	Approx. 10hrs	
		Digital	Approx. 12hrs	
	Frequency Stability	±0.5ppm		
	Antenna Impedance	50 Ω		
	Dimensions (HxWxD)	4.84 x 2.17 x 0.91 inches		
	Weight	5.64 oz		
	FCC ID	See Website for Full List		
	Industry Canada ID	See Website for Full List		

Environmental Specs	Operating Temperature	-22° F ~ +140° F
	Storage Temperature	-40° F ~ +185° F
	ESD	IEC 61000 - 4 - 2 (level 4) ± 8kV(contact) ; ± 15kV (air)
	American Military Standard	MIL-STD-810 C/D/E/F/G
	Dust & Water Intrusion	IP54 Standard
	Humidity	Per MIL-STD-810 C/D/E/F/G Standard
	Shock & Vibration	Per MIL-STD-810 C/D/E/F/G Standard

Transmitter	RF Power Output	1.5 - 3W
	FM Modulation (Analog Emissions Designator)	11K F3E @ 12.5KHz 16K F3E @ 25KHz
	4FSK Digital Modulation (Digital Emissions Designator)	12.5KHz Data Only: 7K6 FXD 12.5KHz Data & Voice: 7K6 FXW
	Conducted/Radiated Emission	-36dBm < 1GHz -30dBm > 1GHz
	Modulation Limiting	± 2.5KHz @ 12.5KHz ± 5.0KHz @ 25KHz
	FM Hum & Noise	40dB @ 12.5KHz 45dB @ 25KHz
	Adjacent Channel Power	60dB @ 12.5KHz 70dB @ 25KHz
	Audio Response	+1 ~ -3dB
	Audio Distortion	≤ 3%
	Digital Vocoder Type	AMBE+2™
	Digital Protocol	ETSI-TS102 361-1, 2&3

Receiver	Sensitivity	Analog	0.22μ V (12dB SINAD) ; 0.22μ V (Typical) (12dB SINAD); 0.4μ V (20dB SINAD)
		Digital	0.22μ V/BER5%
	Selectivity TIA-603 ETSI	60dB @ 12.5KHz / 75dB @ 25KHz 60dB @ 12.5KHz / 70dB @ 25KHz	
	Intermodulation TIA-603 ETSI	70dB @ 12.5 / 25KHz 65dB @ 12.5 / 25KHz	
	Spurious Response Rejection TIA-603 ETSI	70dB @ 12.5 / 25KHz 70dB @ 12.5 / 25KHz	
	Blocking TIA-603 ETSI	80dB 84dB	
	S/N	40dB @ 12.5KHz ; 43dB @ 20KHz ; 45dB @ 25KHz	
	Rated Audio Power Output	0.4W	
	Rated Audio Distortion	≤ 5%	
	Audio Response	+1 ~ -3dB	
Conducted Spurious Emission	< -57dBm		

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