

Accessories



Optional Accessories



Specifications

General		Transmitter			
Frequency Range	400-470MHz	RF Power Output	4W/1W		
Channel Capacity	256	FM Modulation	16KΦF3E @ 12.5 kHz 14KΦF3E @ 20 kHz 11KΦF3E @ 25 kHz		
Zone Capacity	32 (each with a maximum of 16 channels)	4FSK Digital Modulation	12.5kHz Data Only: 7K60FXD 12.5kHz Data & Voice: 7K60FXE		
Channel Spacing	25 /20 / 12.5 KHz	Spurious and Harmonics	-36dBm<1GHz -30dBm>1GHz		
Operating Voltage	7.4V (rated)	Modulation Limiting	±2.5kHz @ 12.5 kHz ±4.0kHz @ 20 kHz ±5.0kHz @ 25 kHz		
Battery	2000mAh (Li-Ion)	FM Noise	40dB @ 12.5 kHz 43dB @ 20KHz 45dB @ 25 kHz		
Battery Life (5-5-90 Duty Cycle, High TX Power) High-capacity 2000mAh Li-Ion Battery	Analog: Above 9 Hours Digital: Above 12 Hours	Adjacent Channel Power	60dB @ 12.5 kHz 70dB @ 20/25 kHz		
Frequency Stability	±1.5ppm	Audio Response	+1~-3dB		
Antenna Impedance	50Ω	Audio Distortion	≤3% (Typical)		
Dimensions (W*H*L)	119 X 55 X 33mm / 4.69*2.2*1.3 (inch)	Digital Vocoder Type	AMBE++		
Weight	320g /11.3oz	Digital Protocol	ETSI-TS102 361-1		
Military Standard	MIL-STD-810C/D/E/F	Environmental Specifications			
ESD	IEC-801-2KV	Operating Temperature	-30°C ~ +60°C -22°F ~ 140°F		
Front Case	PC+ABS	Storage Temperature	-40°C ~ +85°C -40°F ~ 185°F		
LCD Display	160*128 pixels, 65535 colors	Dust & Water Intrusion	Per MIL-STD-810 C/D/E/F and IP57 Standards		
		Shock & Vibration	Per MIL-STD-810 C/D/E/F Standards		
		Humidity	Per MIL-STD-810 C/D/E/F Standards		
		<small>All Specifications are tested according to applicable standards, and subject to change without notice due to continuous development.</small>			
		Applicable Military Standards 810 E/F			
		MIL-STD	810E	810F	
		Method	Procedure	Method	Procedure
		Low Pressure	500.3 II	500.4 II	II
		High Temperature	501.3 I/A, III/A1	501.4	I/Hot, III/Hot
		Low Temperature	502.3 I/C3, III/C1	502.4	I/C3, III/C1
		Temperature Shock	503.3 I/A, I/C3	503.4	I
		Solar Radiation	505.3 I	505.4	I
		Rain	506.3 I, II	506.4	I, III
		Humidity	507.3 II	507.4	-
		Salt Fog	509.3 I	509.4	I
		Dust	510.3 I	510.4	I
		Vibration	514.4 I/10, II/3	514.5	I/24
		Shock	516.4 I, IV	516.5	I, IV

Your Authorized Dealer:



PD782

Digital Two-Way Radio

Fully compliant to the DMR standard, the PD782 keeps users well-informed in various complex scenarios and offers a solution of efficient real-time communication, staff management, and versatile functionalities. Built with an ergonomic design and user-friendly interface, the PD782 is your way of optimizing your organization's efficiency on the job.



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Additional Features >>

- ▶ **Versatile Voice Calls**
The intelligent signaling options of the PD782 support different types of voice calls, including Individual Call, Group Call and All Call.
- ▶ **Messaging**
The PD782 can transmit and receive short text messages and predefined status messages.
- ▶ **Emergency**
The PD782 is equipped with multiple emergency alarm methods such as Man Down and Silent Emergency, enabling you to get instant help in the case of a critical event.
- ▶ **Scan**
This function allows you to listen to communication activities on other channels so that you can keep a close track of your team members.
- ▶ **Software Upgradable**
With this feature, you can enjoy additional functions and upgrades without having to purchase a new radio.

Product Highlights >>



Superior Audio

With the combined application of narrowband codec and digital error-correction technology, the PD782 ensures better audio quality across a wider coverage area.

Spectrum Efficiency

Benefitting from TDMA technology, PD782 allows twice the number of users to share the same channel. This is a huge relief on increasing shortages in spectrum resources.

Durable Battery

Compared to an analog radio, the PD782 can obtain an extra 40% operating time between charges at the same output power.

Dual Modes (Analog & Digital)

The PD782 operates in either analog or digital mode and is compatible with analog systems currently in use, allowing organizations to easily migrate to the digital era.

Secure Communication*

The PD782 is furnished with an enhanced digital encryption capability. Eavesdropping issues are no longer a problem now that your communications are fully secured.



Ergonomic Design

Compact and light weight structural design makes the PD782 easy to carry and operate.

Large-sized HD color LCD display and big push-buttons facilitate your access to various functions.

The globally patented antenna design ensures convenient operation and remarkable GPS* performance.

Rugged and Submersible

The PD782 is strictly compliant to MIL-STD-810 C/D/E/F as well as IP57 standards, and is fully reliable in extreme environments.



Versatile Functionalities

In addition to conventional communication functions, the PD782 features versatile digital and optional functions such as Messaging, GPS*, Range Check*, Data Transmission*, Man Down and Call Alert.

Expansion Port

The PD782 allows for further development of additional functions using a reserved expansion port.

* Indicates functions available in later version.

Mechanical Design Features >>



Integrated GPS* antenna



Clear status updates tri-color LED indicator



Unique knob design allows for one handed operation



Compliant with the MIL-STD-810 C/D/E/F and IP57 standards for immersion in water up to 1 Meter



Large color HD LCD, big buttons, and user friendly interface allow for easy operation



Unique covered speaker with clear digital audio



Easy-grip and ergonomic design enhances comfort and appearance