Specifications

General					
Frequency Range	VHF: 136~174MHz UHF: 350~400MHz; 400~470MHz; 450~520MHz				
Channel Capacity	1024(64 Zones×16 Channels) 64				
Zone Capacity Channel Spacing					
Operating Voltage	12.5kHz(Digital) 25/20/12.5kHz(Analog) 7.4V				
Battery	7.4V 2000mAh / 2500mAh(Optional)				
<u> </u>	* * * * * * * * * * * * * * * * * * * *				
Battery Life (5-5-90 Duty Cycle, High TX Power)	Analog: Above 11 Hours Digital: Above 15 Hours				
Frequency Stability	± 1.0ppm				
Antenna Impedance	50Ω				
Dimensions (H × W × D)	130 × 55 × 35mm				
Weight	333g				
LCD Display	1.8 Inch TFT				
Receiver					
Sensitivity (Analog)	0.22μV(12dB SINAD)/0.25μV(Typical)(12dB SINAD)				
Sensitivity (Digital)	0.22μV/BER 5%				
Selectivity	≥60dB @ 12.5 kHz/70dB @ 20&25 kHz				
Intermodulation	≥65dB				
S/N	40dB @ 12.5kHz / 43dB @ 20kHz / 45dB @ 25kHz				
Rated Audio Power Output	1.5W				
Rated Audio Distortion	≤ 3%				
Audio Response	+1~-3dB				
Conducted Spurious Emission	<-57dBm				
Transmitter					
RF Power Output	UHF High Power:4W/Low Power:1W VHF High Power:5W/Low Power:1W				
FM Modulation	11КФF3E @12.5kHz/14КФF3E@20kHz/16КФF3E@25kHz				
4FSK Digital Modulation	12.5 kHz Data Only: 7K60FXD /12.5 kHz Data & Voice:7K60FXW				
Conducted/Radiated Emission	≤-36dBm(<1GHz)/-30dBm(>1GHz)				
Modulation Limiting	≤2.5kHz@12.5kHz/≤4kHz@20kHz/≤5kHz@25kHz				
FM Noise	40dB @ 12.5kHz / 43dB @ 20kHz / 45dB @ 25kHz				
Adjacent Channel Power	60dB@12.5kHz/70dB@20/25kHz				
Audio Distortion	≤ 3%				
Digital Vocoder Type	AMBE3000++				
Digital Protocol	ETSI-TS102 361-123				
Environmental Specifications					
Operating Temperature	-30℃ ~+60℃				
Storage Temperature	-40℃ ~+85℃				
ESD	IEC 61000-4-2 (Level 4) /±8kV (Contact) /±15kV (Air)				
U.S. Military Standard	MIL-STD-810 C/D/E/F/G				
Dust & Water Protection	IP67 Standard				
Humidity	Per MIL-STD-810 C/D/E/F/G Standard				
Shock & Vibration	Per MIL-STD-810 C/D/E/F/G Standard				

All specifications are tested according to applicable standards and subject to changes without notice due to continuous development.



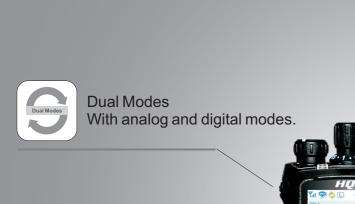


HQT TI OMAP SERIES PRODUCTS





DH-9800





GPS positioning information and sending of GPS text message.



Roaming Supports smooth Roaming within IP Multi-site Connect System.



Further Development Port allows users to further develop functions.



Message supports IP Data/Defined Data messages.



Secure communication with analog/digital voice encryption.

Main Functions

■ Dual Modes (Analog + Digital)

DH-9800 can operate in either analog or digital mode. It is compatible with the prevalent analog system, ensuring a smooth analog-to-digital transition.

■ Versatile Voice Calls

DH-9800 supports various voice call types, including Private Call, Group Call, All Call and Emergency Call.

■ Text Message

DH-9800 supports IP Data/Defined Data messages, including Private Message and Group Message.

■ Digital Signaling

DH-9800 supports various signaling, including Call Alert, Radio Check, Remote Monitor, Radio Disable and Radio Enable.

■ Vibrate (Optional)

This feature is helpful in reminding you of the reception of any Private Call, Call Alert or Text Message under noisy or low-volume conditions.

■ Various Analog Signaling Types

DH-9800 supports various analog signaling (DTMF, 2-Tone, 5-Tone, QDC-1200 and CDCSS/CTCSS), providing higher function expansion capacity.

■ Scan

DH-9800 supports scanning of analog voice and signaling, digital voice and data. It can also support mixed modes scanning.

■ IP Multi-site Connect and Roaming

DH-9800 supports communication with any other terminals as well as smooth Roaming within IP Multi-site Connect System.

Advanced Features (Optional)

DH-9800 supports various optional advanced features including Man Down, GPS and Voice Recording.

■ Privacy of Voice and Data

DH-9800 supports analog scrambling, and digital encryption using Advanced Encryption Standard (AES) and ARCFOUR (ARC4) encryption algorithm to voice with 256-bit encryption.

■ Upgrade to Tier-III

Customer can upgrade DH-9800's software to Tier-III without buying new devices.

Accessory List

Standard Accessories									
Antenna	Li-ion Battery	Charg	e Adapter	Desktop Charger		Belt Clip	Hand Strap		
Optional Accessories									
Earphone	Remote Micro	note Microphone 2500m/		h Battery	Programming Cable		Leather Case		

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