Features

Voice Services

- ► Fallback Operation
- Energy economy
- Seamless cell re-selection Phone call ► Half-Duplex
- Individual call
- Group call
- · Broadcast call (TMO)
- Open group call
- DTMF
- Gateway call (DMO)
- Repeater call (DMO)
- Phone call
- PABX PSTN

- ► Full-Duplex

 - PABX PSTN
- - Emergency group call to selected group
- Emergency phone call(PABX/PSTN)

 - Location Information Sending (TMO)
 - HOT MIC
 - Emergency Cycle
 - Configurable emergency priority
 - Silent Emergency Call (TMO)

- Pre-emptive call
 - Late entry ▶ DGNA
 - Priority Group Scanning
 - ► Talking Party Identification ► Multi-Network Selection
 - ▶ Individual Call Restriction via Phonebook
 - ► Group Change Voice Broadcast
 - Quick change Scan Lists ▶ Callout
 - CAD(Call Authorized by Dispatcher)*
 - PTT Group lock
 - ▶ BT







License Control

- DMO Repeater
- ► Tamper Proof solution

User Security -

- ► One-key Emergency Call
- ▶ Man-Down Ambience Listening
- Radio User Assignment(RUA)
- Lone worker
- Protect user configuration data Keypad lock
- ► Alert for out of network coverage
- Alert for low battery

Security Service

- Authentication MS Authentication by SwMI
- Mutual Authentication ▶ Package Data User Authentication
- ► Air Interface Encryption
- TEA1 TEA2 TEA3 TEA4
- Security Class • Class 1: Clear • Class 2: SCK • Class 3: DCK and CCK (Via OTAR)
- DMO SCK
- ► End to End Encryption
- By Software (AES128 / AES256) By SIM card
- · Voice Service / SDS Service
- ► Temporary Enable/Disable
- ▶ Permanently Disable
- ► PIN/PUK code access

Location Service

► GPS/GLONASS/Beidou Control Center Authentication by MS

Distance

- LIP protocol
- Trigger Conditions (Configured via Air or CPS)
- Emergency Call • Power On/Off Interval Status Message
- Positioning Loss/Regain ► NMEA location reporting
- ► Time Synchronization and Adjustment ▶ Display the calling party's Relative direction & position
- Overspeed Alarm

- · Individual call
- DTMF Emergency Call
- Emergency group call to pre-defined group
- Emergency individual call

DMO Repeater

- ► ETSI type 1A DMO Repeater for channel efficient operation
- ▶ Repeats DMO voice and tone signalling on selected talkgroup ▶ Repeats SDS and Status messaging on selected talkgroup
- ► Transmission of Repeater Presence Signal

Data service -

- ► Short Data Service
- SDS-1, 2, 3, 4, TL
- Status message • Immediate text message (TMO)
- Long text message (TMO)
- One Touch/ Fast sending Status Message
- Message Sending/Receiving during Call
- · SDS and Status via DMO Gateway
- Immediate Status Display(TMO) Package Data
- Single-slot Multi-slot
- ► Peripheral Equipment Interface (PEI) ▶ AT command
- ► OTAP(Over The Air Programming)
- ▶ Status Message Solution ■ WAP

▶ Circuit Mode Data

- User Interface / Display ▶ Multi-language more than 16 languages
- ▶ 23 programmable key: quick access to menu and configured functions
- Dedicated Emergency Key
 Multiple Dialing Methods: scroll dialing, dialing directly,
- alphabetic search, redial via call records, Dialing rules
- ► Two independent microphone • Top MIC used in half-duplex call
- ► Adjustable screen brightness User Profiles
- Display reverse
- Screen saver
- Customized Terminal Menu Time synchronization
- With GPS time
 With System time ► Configurable Maximal/minimum volume
- ► Input Method Editor
- ▶ Brand new menu Structure and style ► Programmable Keypad Lock

Specifications

Frequency Bands	380-430MHZ / 405-475MHZ 806-870MHZ
Dimensions (HxWxD)	127.5 × 55 × 36.5mm
Weight	374g (with battery and antenna)
Battery	1800mAh Li-lon battery
Battery Life	>16hours
Operating Voltage	7.4V
LCD Color Display	1.8inch, 160*128pixels, 65536colors
Talk Group-TMO	3000
Talk Group-DMO	2000
Inbox	400
Outbox	50
Drafts	50
Scan Lists-TMO	200
Scan Lists-DMO	50
Status Messages	200
Folder-TMO	200X200(200 groups in each list)
Folder-DMO	50X200(200 groups in each list)

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All Specifications are tested according to applicable standards, and subject to change

without notice due to continuous development.t.

	RF Channel Bandwidth	25KHz
	RF Power Output	3W(1.8W For 806-870MHz)
	RF Power Level Accuracy	± 2dB
	RF Power Control	5stps of 5dB
	Receiver Class	ETSI EN 392-2/396-2 Class A &Class B
	RX Static Sensitivity	-112dBm(typical-116dBm)
	RX Dynamic Sensitivity	-103dBm(typical-105dBm)
	Audio Power Output	2W
Sensitivity	Consitiuitu	≤−148dBm acquisition sensitivity
	≤−162dBm tracking sensitivity	
	Accuracy	≤2.5m
	Cold Start (Time to First Fix)	<27s
	Hot Start (Time to First Fix)	<1s
	Operating Temperature	-30°C ~ +60°C
	Storage Temperature	-40°C ~ +85°C
	Humidity	ETS 300 019 (95%)
	Water and Dust Protection	IEC60529, IP67
	Drop, Shock & Vibration	MIL-STD-810 G

Hytera doesn't bear relevant responsibility. Little difference between real product and product indicated

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Hytera

ISSI

14 2 ABC 3 DEF

4 GHI 0 5 JKL 0 6 WNO

7 PORS 8 TUV 9 WXYZ

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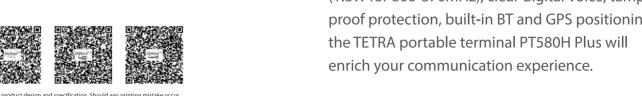
PT580H Plus

TETRA Portable Terminal

Distinguished by IP67 compliance, 3W RF output (1.8W for 806-870MHz), clear digital voice, tamper proof protection, built-in BT and GPS positioning,











PT580H Plus

Highlights

Reliable Through Design

PT580H Plus is designed to comply with TETRA ETSI Standard, MIL-STD- 810 C/D/E/ F/G, IP67 **Dust & Water Protection** and Hytera ALT Test simulating over years usage. These tests ensure PT580H Plus will stand up to the toughest conditions and environment

High RF Output Power

PT580H Plus boasts a **3Watt transmit power**, effectively enlarging the workable coverage area, including basements and extending coverage indoors. The radio supports Open Loop Power Control which adjusts the actual transmit power in 5dB steps as needed

Exceptional Audio

A **newly added noise cancelling chip** gives PT580H Plus audio quality with unprecedented clarity. Voice can be broadcasted clearly even in very noisy environment to assure the key message is received accurately.

Comprehensive Security Protection

Tamper proof protection makes PT580H Plus more secure than ever before. All the key data which is stored in the radio is protected against security attacks.

Multi-satellite Location Service

Multi-satellite system location service lets PT580H Plus be used globally. PT580H Plus support GPS, Glonass and Beidou location.

New added features:







PT580H Plus

Ensure efficient critical communication

Hytera

Hytera

2 ABC 3 DEF

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Centrally located integrated GPS antenna enhances GPS sensitivity to give excellent performance.

Allow users to have Eyes-off, hands-on operation.

3W RF output power enlarges the coverage area effectively

IP67 guarantee usage in full of dust environment or exposure to water jet or even soak in 1m water after 30 minutes.

2W audio power output ensure the voice transmitted clearly.

With silica gel key materials, resilient touch experience brings easy operation.





support GPS, Glonass and Beidou location.

Equipped with large-size TFT LCD clear display delivers you favorable accessibility even under strong unlight

Allow wireless accessory adaptation.

Tamper proof protection for keys and encryption algorithm

new added noise cancelling chip ensure voice broadcasted clearly even in very noisy environment

Withstand the tough highly accelerated lift test and strict Military standard G test, PT580H Plus ensure outstanding performance in tough use.



Work with terminal in an optimal and most desirable Plus accessories portfolio guarantees the easy, com table and quality experience.

Standard Accessories

power supply, belt clip and hand strap.

The basic standard accessories of PT580H Plus inclu



PT580H Plus **Versatile Accessories**

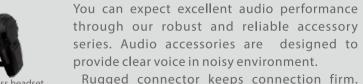




Capacity Battery) MCA08



Battery BL2505



with double PTT



Tube(Beige) EAN17

3-wire Surveillance Leather Case Earpiece with



Rugged connector keeps connection firm. Remote speaker microphone has same IP67 protection as terminal is adapt to wet, muddy or other hash environment. In addition, wireless earpiece release users' hand and offer user a best way to avoid the problem of tangled wires

while attending to special tasks.

antenna, battery, charger,



(DC-DC) CHV09





Dual Pocket MCU Charger Kit CH10A06