



TETRA Portable Terminal
PT5 Series

PT580HC

PT560HC

PT5 series, with higher quality and extended features, is designed for professional users performing mission critical tasks.

Featuring IP68 protection, higher RF output, clear digital voice, built-in BT, PT5 series ensures reliable communication anytime and anywhere.



PT580HC

PT560HC

Specifications

General Specifications	Frequency Bands	320-380MHz/380-430MHz 405-475MHz/806-870MHz
	Dimensions (HxWxD)	127.5 × 55 × 36.5mm(1800mAh battery) 127.5 × 55 × 39.5mm(2000mAh battery)
	Weight	368g (with 1800/2000mAh battery and antenna) 400g (with 2500mAh battery and antenna)
	Battery	PT580H Plus:1800mAh(Standard) PT560H:2000mAh (Standard) 2500mAh(Option)
	Battery Life (5-5-90)	>20 Hours(1800mAh) >22 Hours(2000mAh) >27 Hours(2500mAh)
	Operating Voltage	7.4V
	LCD Color Display	1.8inch, 160*128pixels, 65536colors
	Talkgroup-TMO	6000
	Talkgroup-DMO	4000
	Phone Book	2000
	Inbox	400
	Outbox	50
	Drafts	50
	Talkgroup Folders-TMO	200
	Talkgroup Folders-DMO	50
	Total Group-TMO	200X200(200 groups in each folder)
	Total Group-DMO	50X200(200 groups in each folder)
	Status Messages	200
User Interface	RF Specifications	RF Channel Bandwidth RF Power Output RF Power Level Accuracy RF Power Control Receiver Class RX Static Sensitivity RX Dynamic Sensitivity Audio Power Output Operating Temperature Storage Temperature Humidity Water and Dust Protection Drop, Shock & Vibration
	Environmental	25KHz 3W(1.8W For 806-870MHz) ±2dB 5 steps of 5dB ETSI EN 392-2/396-2 Class A &Class B 400MHz: -116dBm(Min); -118dBm(Typical) 800MHz: -115dBm(Min); -116dBm(Typical) 400MHz: -107dBm(Min); -109dBm(Typical) 800MHz: -106dBm(Min); -107dBm(Typical) 2W (Peak 3W) -30°C ~ +60°C -40°C ~ +85°C ETS 300 019 (95%) IEC60529, IP65/66/67/68 MIL-STD-810G; ETS 300 019-1-7 5M3; GJB150A-2009

All Specifications are tested according to applicable standards, and subject to change without notice due to continuous development.

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Equipped with suitable accessories according to different tasks, PT5 series accessories make it easy to operate and perfect users experience. The basic portfolio accessories of PT5 series include antenna, battery, charger, power supply, belt clip and hand strap.

Standard Accessories



PT5 Series Versatile Accessories



Waterproof Remote
Speaker Microphone
(IP67) SM18NS



MCU Multi-unit Charger
(Also Compatible with High
Capacity Battery) MCA08



2500mAh Li-ion
Battery BL2505



Wireless Headset
with Double PTT
EHW02

You can expect excellent audio performance through our robust and reliable accessory series. Audio accessories are designed to provide clear voice in noisy environments.



Vehicle Adapter
for Charger
(DC-DC) CHV09



Smart Charger
CH20L06



3-wire Surveillance
Earpiece with
Transparent Acoustic
Tube (Beige) EAN17



Leather Case
LCY006

The rugged connector keeps connection firm. Remote speaker microphone with IP67 protection is adapted to wet, muddy or other environments. In addition, wireless earpiece releases users' hands and offers users a better way to avoid the problem of tangled wires while attending to special tasks.

Features

Voice Service

- ▶ Individual Call
- ▶ Group Call
- ▶ Broadcast Call (TMO)
- ▶ Open Group Call
- ▶ DTMF
- ▶ Gateway Call (DMO)
- ▶ Repeater Call (DMO)
- ▶ Phone Call
 - PABX
 - PSTN
- ▶ Pre-emptive Call
- ▶ Late Entry
- ▶ DGNA
- ▶ Group Scanning
- ▶ Fallback Operation
- ▶ Emergency Call
 - Emergency Group Call to Selected Group/Group Call to Pre-Defined Group/ Individual Call/ Phone Call(PABX/PSTN)
 - Hot Mic
 - Emergency Cycle
 - Configurable Emergency Priority
 - Silent Emergency Call (TMO)
- ▶ Talking Party Identification
- ▶ Individual Call Restriction via Phonebook
- ▶ Group Change Voice Broadcast
- ▶ CAD(Call Authorized by Dispatcher)
- ▶ BT 4.0
- ▶ Notification Talkgroup
- ▶ Favorite Folder
- ▶ Audio Profile



License Control

- ▶ SDS Template
- ▶ VOX
- ▶ Temporarily Disable Enhancement
- ▶ Remote Performance Monitoring
- ▶ Load Directed Roaming*
- ▶ Low Power Class
- ▶ TETRA Zone
- ▶ BT Upgrading&Programming

*(Free Trial Applicable)

User Security

- ▶ Man-Down
- ▶ Ambience Listening
- ▶ Radio User Assignment(RUA)
- ▶ Lone Worker
- ▶ Alert for Low Battery
- ▶ Emergency Protect Mode
- ▶ One Touch Emergency Call
- ▶ User Configuration Data Protection
- ▶ Keypad Lock
- ▶ Alert for Out of Network Coverage

User Interface / Display

- ▶ Multi-language
- ▶ Java Platform 2.0
- ▶ 23 Programmable Keys (PT580HC)
- ▶ Flexible Dialing Ways: Rolling Dialing, Index by Symbols, etc.
- ▶ Two Independent Microphones
 - Top MIC for Half-duplex Call
 - Bottom MIC for Full-duplex Call
- ▶ Display Reverse
- ▶ Customized Terminal Menu
- ▶ Time Synchronization
 - With System Time
- ▶ Configurable Maximum/Minimum Volume
- ▶ Input Method Editors
- ▶ Dark Blue and Light Blue Style Menu Display
- ▶ Group Application - Support for Sub-folder
- ▶ Weak Signal Area Pre-alert

DMO Repeater

- ▶ ETSI Type 1A Repeater Standard
- ▶ DMO Voice and Tone Signalling on Selected Talkgroup
- ▶ SDS and Status Messaging on Selected Talkgroup
- ▶ Signal Broadcast of Available Repeater

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 Calls
 - Message Sending via DMO Gateway
- ▶ Packet Data
 - Single-slot
 - Multi-slot
- ▶ Peripheral Equipment Interface (PEI)
- ▶ AT Command
- ▶ OTAP (Over The Air Programming)
- ▶ Status Message Solution
- ▶ WAP
- ▶ Circuit Mode Data
- ▶ Short Data Template
- ▶ Work Order
- ▶ Upgrading and Programming via BT