Hytera

A Strong Foundation

Hytera PT3 Series TETRA Radio

- Supporting users through a world class dealer network
- Ultra-clear Audio, Tough, Simple Operation

TETRA

PT310

PT350

Industry

For users working in noisy and harsh environments like factories, ports or open mining, a very-easy to handle device which is able to deliver superb audio quality, is an industry expectation.
No matter what working environment they are in, PT3 series always stands up to the harshest environment and provides exceptional performance.
With its simple UI and easy operation, the PT3 series provides users less distraction during voice communication to help with operational efficiency.

Port

Factory

Open Mining

Key Features

Wide band with 320-475MHz

Highly clear OLED display with simple UI

Long battery life 22h with standard battery

Rugged with IP65/66/67/68 and MIL-STD 810G

Easy navigation through the simplified keypad, programmable soft keys. Eyes-free operation supported by rotary knob and voice announcement.

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RF&GPS
Dual Mode Antenna

Speaker
Shielding

PTT

Two Programmable
Buttons

Domed Design Keys
With Positive Feedback

Belt Clip Connection

Three Programmable
Buttons

3800mAh
Battery

Highlights

Wide Band Compatability

The PT3 series radios come in two wide bands 320~475MHz,806~870MHz. Utilising wide bands in this way reduces cost in terms of stocking different frequency bands ensuring you can always support your customers regardless of what license they are granted.
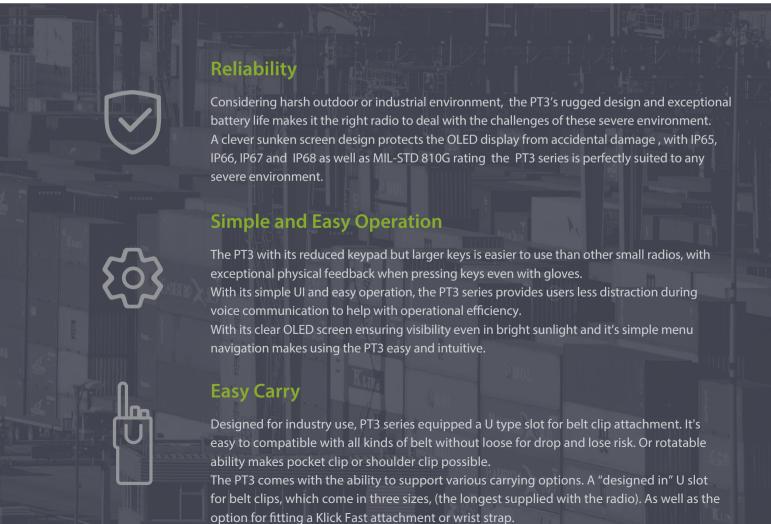
Ultra-clear Audio Quality

With water-porting technology, any water that gets into the speaker cavity is drained out easily, ensuring audio clarity is maintained.
Coupled with this is a patented microphone aperture design, which prevents any wind noise interfering with transmissions.
The PT3 series radio delivers audio quality on both reception and transmission.

Emergency Button ●

Talk Group Rotary ●

Volume Control ●

Operation Status Indicator ●

Battery Status Indicator ●

Accessory Interface ●

Battery Latch ●

Reliability

Considering harsh outdoor or industrial environment, the PT3's rugged design and exceptional battery life makes it the right radio to deal with the challenges of these severe environment.
A clever sunken screen design protects the OLED display from accidental damage, with IP65, IP66, IP67 and IP68 as well as MIL-STD 810G rating the PT3 series is perfectly suited to any severe environment.

Simple and Easy Operation

The PT3 with its reduced keypad but larger keys is easier to use than other small radios, with exceptional physical feedback when pressing keys even with gloves.
With its simple UI and easy operation, the PT3 series provides users less distraction during voice communication to help with operational efficiency.
With its clear OLED screen ensuring visibility even in bright sunlight and it's simple menu navigation makes using the PT3 easy and intuitive.

Easy Carry

Designed for industry use, PT3 series equipped a U type slot for belt clip attachment. It's easy to compatible with all kinds of belt without loose for drop and lose risk. Or rotatable ability makes pocket clip or shoulder clip possible.
The PT3 comes with the ability to support various carrying options. A "designed in" U slot for belt clips, which come in three sizes, (the longest supplied with the radio). As well as the option for fitting a Klick Fast attachment or wrist strap.

Accessories

PT3 series have a complete series of additional accessories, including audio, carrying, power and antennas to ensure that all customer use cases are catered for.

Standard
Battery
BP3803

Standard
Desktop Charger
CH10L28

Standard
Adaptor

Standard
Antenna *

Standard
Belt Clip
BC37

Optional
mRSM
SM26N12

Optional
PTT & Mic cable
ACN-07

Optional
Receive only earpiece
with 11 pin connector
EAS04

Optional
Receive only earpiece
with 3.5mm plug
EAS05

Optional
C type earpiece
EH-01

*: The band 320-380MHz can only use the 9cm long antenna.

Hardware Options

Hardware	PT310 (B)	PT310 (S)	PT350 (B)	PT350 (S)
BT	-	√	-	√
Man Down	-	√	-	√
Location	-	√	-	√

√: Support   — : NOT Support   B: Basic   S: Specialized

Specifications

DIMENSIONS

Height	123.5mm
Width	55.5mm
Depth	32.5mm

WEIGHT

With standard battery and 6.5cm antenna	PT350: 280g
	PT310: 265g

FREQUENCY BANDS

320-475MHz

806-870MHz

POWER SUPPLY

3.85V

3800mAh Li-Polymer battery

RF PERFORMANCE

Tx Output Power Class 3L (1.8W)	· RF Power configurable for TMO/DMO · Adaptive Power Control
Receiver Class A & B	· Receiver Static Sensitivity: -116dBm(min); -118dBm (typical) · Receiver Dynamic Sensitivity: -107dBm(min); -109dBm (typical)

AUDIO PERFORMANCE

Rated Audio Output Power: 2W (Max.: 3W)

Water Porting Technology

Wind Noise Reduction

ENVIRONMENTAL PERFORMANCE

Operational Temperature	-20℃ to +60℃
Storage Temperature	-40℃ to +85℃
Humidity	95%
Dust & Water Protection	IEC60529, IP65, IP66, IP67, IP68
Shock, Drop & Vibration	MIL-STD-810 G ETS 300 019-1-7 5M3 GJB150A

DISPLAY & USER INTERFACE

Screen	· PT350: 1.3 inch, 128*64 pixels, OLED · PT310: N/A · Invert display for easy viewing whilst lapel/belt-mounted
Controls	· Four-way navigation keys [1] · Three context keys for intuitive menu interaction [1] · Two configurable feature-activation side keys: blind-find & glove-friendly · Large, easy reach, blind find, glove-friendly, dual-color PTT · Blind-find emergency key · Two knobs: Volume Control & Group Selector

DATA SPECIFICATIONS

Up to 32 configurable networks

Phonebook [1]	· 200 contacts · Up to 7 numbers per contact
Talk Group	· PT350: Up to 12000(TMO) /6000(DMO) · PT310: 80(TMO/DMO)
Folder	· PT350: Up to 200(TMO)/50(DMO) · PT310: 5(TMO/DMO) [3]
Single Folder Capacity	· PT350: Up to 12000(TMO)/6000(DMO) · PT310: 15(TMO)/16(DMO)

VOICE SERVICES

Individual / Group / Broadcast / Emergency / Null Group & Open Group Call

Half-duplex Call (individual & group)
Full-duplex Call (to MS & PABX/PSTN) [2]
Second PTT Group Call
Speed, one-touch & direct dialing [1]
Call Priority
Call Forwarding
Call History [1]
Pre-emptive Call
Late Entry

GROUP MANAGEMENT

Home Group
Notification Group
Background Group
Switch group during a call
Dynamic Group Number Assignment (DGNA)

DATA SERVICES

Messaging	· SDS template messaging (in TMO & DMO) · Status messaging (in TMO & DMO)
AT commands	
Packet Data	

SECURITY & SAFETY

Air Interface Encryption	Class 1, 2, 3 TETRA Security
Authentication	
Temporary/Permanent Disable	
Emergency Call	· Hot Mic · Emergency status/location report to defined control user/group · Emergency Mode · Silent Emergency Mode
Man Down	· Tilt detection · No-movement detection · Emergency Call activated via Man Down · Enable/Disable remotely
Lone Worker [1]	

POSITIONING-BASED SERVICES

GPS	· Tracking Sensitivity: -162dBm · Acquisition Sensitivity: -148dBm · Horizontal Accuracy: 2.5m, 50% · Cold Start TTFF (Time To First Fix): 30s · Hot Start TTFF (Time To First Fix): 1s
GLONASS and BEIDOU optional	
Over-The-Air GPS Reporting	· ETSI Location Information Protocol (LIP) · NMEA

1: PT310 doesn't support.

2: The radio needs to connect the accessory to initiate full-duplex call.

3: Folder switching on PT310 is only available by programming.

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