



## A Strong Foundation

### Hytera PT3 Series TETRA Radio

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



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  
380-475MHz



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.





# Highlights



## Wide Band Compatability

The PT3 series radios come in two wide bands 380~475MHz, 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.



## 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 its 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



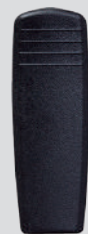
Standard  
Charger



Standard  
Adapter



Standard  
Antenna \*



Standard  
Belt Clip



Optional  
RSM



Optional  
PTT & Mic cable



Optional  
Receive only earpiece  
with 11 pin connector



Optional  
Receive only earpiece  
with 3.5mm plug



Optional  
C type earpiece

## Hardware Options

Hardware	PT310	PT310	PT350	PT350
	(B)	(S)	(B)	(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	
380-475MHz	
806-870MHz	
POWER SUPPLY	
3.85V	
3800mAh Li-Polymer battery	
RF PERFORMANCE	
Tx Output Power Class 3L (1.8W)	<ul style="list-style-type: none"> <li>RF Power configurable for TMO/DMO</li> <li>Adaptive Power Control</li> </ul>
Receiver Class A & B	<ul style="list-style-type: none"> <li>Receiver Static Sensitivity: -116dBm(min); -118dBm (typical)</li> <li>Receiver Dynamic Sensitivity: -107dBm(min); -109dBm (typical)</li> </ul>
AUDIO PERFORMANCE	
Rated Audio Output Power: 2W (Max.: 3W)	
Water Porting Technology	
Wind Noise Reduction	
ENVIRONMENTAL PERFORMANCE	
Operational Temperature	-20°C to +60°C
Storage Temperature	-40°C to +85°C
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	<ul style="list-style-type: none"> <li>PT350: 1.3 inch, 128*64 pixels, OLED</li> <li>PT310: N/A</li> <li>Invert display for easy viewing whilst lapel/belt-mounted</li> </ul>
Controls	<ul style="list-style-type: none"> <li>Four-way navigation keys<sup>1</sup></li> <li>Three context keys for intuitive menu interaction<sup>1</sup></li> <li>Two configurable feature-activation side keys: blind-find &amp; glove-friendly</li> <li>Large, easy reach, blind find, glove-friendly, dual-color PTT</li> <li>Blind-find emergency key</li> <li>Two knobs: Volume Control &amp; Group Selector</li> </ul>
DATA SPECIFICATIONS	
Up to 32 configurable networks	
Phonebook <sup>1</sup>	<ul style="list-style-type: none"> <li>200 contacts</li> <li>Up to 7 numbers per contact</li> </ul>
Talk Group	<ul style="list-style-type: none"> <li>PT350: Up to 12000(TMO)/6000(DMO)</li> <li>PT310: 80(TMO/DMO)</li> </ul>
Folder	<ul style="list-style-type: none"> <li>PT350: Up to 200(TMO)/50(DMO)</li> <li>PT310: 5(TMO/DMO)<sup>3</sup></li> </ul>
Single Folder Capacity	<ul style="list-style-type: none"> <li>PT350: Up to 12000(TMO)/6000(DMO)</li> <li>PT310: 15(TMO)/16(DMO)</li> </ul>
VOICE SERVICES	
Individual / Group / Broadcast / Emergency / Null Group & Open Group Call Half-duplex Call (individual & group) Full-duplex Call (to MS & PABX/PSTN) <sup>2</sup> Second PTT Group Call Speed, one-touch & direct dialing <sup>1</sup> Call Priority Call Forwarding Call History <sup>1</sup> 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	<ul style="list-style-type: none"> <li>SDS template messaging (in TMO &amp; DMO)</li> <li>Status messaging (in TMO &amp; DMO)</li> </ul>
AT commands	
Packet Data	
SECURITY & SAFETY	
Air Interface Encryption	Class 1, 2, 3 TETRA Security
Authentication	
Temporary/Permanent Disable	
Emergency Call	<ul style="list-style-type: none"> <li>Hot Mic</li> <li>Emergency status/location report to defined control user/group</li> <li>Emergency Mode</li> <li>Silent Emergency Mode</li> </ul>
Man Down	<ul style="list-style-type: none"> <li>Tilt detection</li> <li>No-movement detection</li> <li>Emergency Call activated via Man Down</li> <li>Enable/Disable remotely</li> </ul>
Lone Worker <sup>1</sup>	
POSITIONING-BASED SERVICES	
GPS	<ul style="list-style-type: none"> <li>Tracking Sensitivity: -162dBm</li> <li>Acquisition Sensitivity: -148dBm</li> <li>Horizontal Accuracy: 2.5m, 50%</li> <li>Cold Start TTFF (Time To First Fix): 30s</li> <li>Hot Start TTFF (Time To First Fix): 1s</li> </ul>
GLONASS and BEIDOU optional	
Over-The-Air GPS Reporting	<ul style="list-style-type: none"> <li>ETSI Location Information Protocol (LIP)</li> <li>NMEA</li> </ul>

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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