

**Z1<sup>P</sup>**

**4<sup>S</sup> BEYOND YOUR  
EXPECTATIONS**

**SMALLER  
STRONGER  
SMARTER  
SAFER**





# NOT ONLY AN ULTRA-THIN PORTABLE



Born for mission critical communication, Z1p can meet customer's requirement from different market to provide powerful features and good performance with solid structure and small size

Two versions can be alternative silver and black, and the black one is lighter and feel better, to be a supplement to silver one



# FEATURE & HIGHLIGHT

## Smaller

- > Min. 255g, easy to carry
- > Only 23mm, easy to hold
- > Adequate keys, easy to operate

## Stronger

- > Two type chasis (metal and plastic)
- > IP67
- > 3W RF power
- > DMO repeater
- > MIL-STD 810 G
- > Protect the PTT key design

## Smarter

- > Built-in BT
- > Good visibility in sunlight
- > Route trace
- > Over-speed alarm
- > Wireless update

## Safer

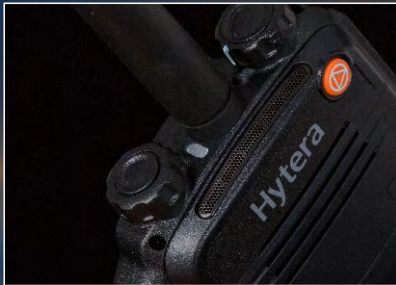
- > Loud and clear voice
- > Keep all the secure feature (AIE, E2EE and so on)
- > Man down
- > Lone worker
- > Emergency protect mode





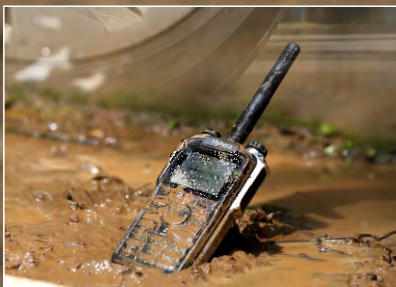
## Enhanced Audio:

Optimize the back audio cavity  
Increase the sound hole of speaker



## More Comfortable Feel:

Plastic frame and internal aluminum chassis design, make it rugged and comfortable



## IP67

With its IP67 classification, the communication will not be interrupted even the radio is dropped into water, as well as used in sand storm.





# Z1P

For user that need to have their hands available to perform their duty, a wide range of wireless accessories is available. The wireless accessories offers user a best way to avoid the problem of tangled wires while attending to special tasks. With the durable and lightweight accessories, user can totally trust it for long shifts. The soft type antenna which support to bend more than even 180°.



EHW02  
Wireless headset  
with double PTT



POA47  
Wireless PTT



EAN21  
3-wire  
surveillance earpiece



EWN08  
Digital wireless  
covert earpiece

## VERSATILE ACCESSORIES FOR SPECIFIC TASKS



MCA10  
MCU Multi-unit rapid-rate charger



CH04L01  
Belt charger



CH10L16  
MCU Two slots charger



EHN21  
Remote C-earset(IP54)



PCN005  
Belt clip



AN0375W05  
AN0435W11

You can expect excellent audio performance through our robust and reliable accessories series. Tough enough for critical communications, it is designed to save you time and hassle.

With the audio accessory, for difficult use situations, such as heavy traffic or industrial machines selecting an audio accessory will improve the user experience. Our earpieces are designed to provide clear voice communication even in noisy environment.

# SPECIFICATIONS

## GENERAL SPECIFICATIONS

Frequency Bands	320-380MHz/380-430MHz/405-475MHz/ 806-870MHz
Dimensions(HxWxD)	120 × 58 × 23mm(1400mAh battery)
Weight	268g (with battery&antenna, silver) 255g (with battery&antenna, black)
Battery	1400mAh (Standard)/1800mAh (option)
Battery Life	>16.1hours (1400mAh) >20.7hours (1800mAh)
Talk Group	TMO: 3000/DMO: 2000
Audio Power Output	1.5W

## RF SPECIFICATIONS

RF Channel Bandwidth	25KHz
RF Power Output	3W (1.8W for 806-870MHz)
RF Power Level Accuracy	± 2dB
RF Power Control	4 steps of 5dB
Receiver Class	ETSI EN 392-2/396-2 Class A & B
RX Static Sensitivity	-116dBm (min); -117dBm (typical) 800MHz: -115dBm (min); -116dBm (typical)
RX Dynamic Sensitivity	-106dBm (min); -108dBm (typical) 800MHz: -105dBm (min); -106dBm (typical)

## GPS SPECIFICATION

Sensitivity	≤ -148dBm acquisition sensitivity ≤ -167dBm tracking sensitivity
Accuracy	≤ 2m
Cold Start (Time to First Fix)	< 26s
Hot Start (Time to First Fix)	< 1s

## ENVIRONMENTAL

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 ETSI EN 300 019-1-7 5M3 GJB150A-2009

## SECURITY

Enhanced Security – OTAR/DMO SCK
PIN/PUK
Ambience Listening
Authentication (Mutual)
AIE class 1, class 2, class 3(TEA1, TEA2, TEA3, TEA4) support
E2EE (End to End Encryption) Security Services:
Software Encryption (AES 128, AES 256)
Hardware Encryption (SIM card)
(Meet FIPS 140-2 level 3 standard (being certified))
Enable/Disable

## SERVICES

Fallback Operation
Energy economy
Seamless cell re-selection

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

## LICENSE

DMO Repeater
GCK
SDS Template
Route Trace
Drive Test
RMP
TEA2
E2EE
Work Order
MSPD
OTAP

## VOICE

Half-Duplex	Individual call
	Group call/Broadcast call
	DTMF
	Gateway call/Repeater call (DMO)
Full-Duplex	Phone call
	Individual call
	Phone call (PABX/PSTN)
Emergency Call	DTMF
	Emergency group call to selected group
	Emergency group call to pre-defined group
	Emergency individual call and Status
	Emergency phone call(PABX/PSTN)
	Hot Key
	Emergency Cycle
	Configurable emergency priority
	Sending location information (TMO)
	Silent Emergency Call (TMO)
Pre-emptive call	
Late entry	
DGNA	
Talking Party Identification	
Multi-Network Selection	
Private call Restricted according to the phonebook	
Switch Group with voice broadcast	

## DATA

SDS	SDS-1, 2, 3, 4, TL
	Status message/Send Status as Text
	Immediate text message (TMO)
	Long text message (TMO)
	One touch status sending
PD	Sending/Receiving message during call
	Single-slot/Multi-slot
Peripheral Equipment Interface (PEI)/AT command	
Callout	



## Hytera Communications Corporation Limited

**Address:** Hytera Tower, Hi-Tech Industrial Park North, Beihuan Rd.,  
Nanshan District, Shenzhen, China

**Tel:** +86-755-2697 2999 **Fax:** +86-755-8613 7139 **Post:** 518057

**Http:** //www.hytera.com **Stock Code:** 002583.SZ



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