Specifications

General

General	
Frequency Bands	350-400MHz/380-430MHz 410-470MHz/806-870MHz
Dimensions(HxWxD)	120*58*23mm (with standard battery)
Weight	about 260g (1100mAh Li-ion battery) about 270g (1400mAh Li-ion battery) about 290g (1800mAh Li-ion battery)
Battery	Li Ion 1400mAh (standard)/1100mAh/1800mAh
Battery Performance (Duty Cycle 5/5/90)	1400mAh: >13.5 Hours 1800mAh: >17 Hours 1100mAh: >10.5 Hours
Operating Voltage	7.4V

Environmental

Environmental	
Operating Temperature	-25 ~ +65
Storage Temperature	-40 ~ +85
Humidity	ETS 300 019 (95%)
Water and Dust Protection	IEC60529, IP67
Drop, Shock & Vibration	MIL-STD-810 C/D/E/F/G

GPS Specifications

GPS Specifications	
Sensitivity	≤-148dBm acquisition sensitivity ≤-162dBm tracking sensitivity
Accuracy	≤10
Cold Start (Time to First Fix)	<27s
Hot Start (Time to First Fix)	<1s
Accuracy	2.5m

User Interface

User Interface	
LCD Color Display	1.8inch, 160*128pixels, 65536colors
Talk Group-TMO	2048
Talk Group-DMO	1024
Phonebook	512
Missed Calls	20
Received Calls	20
Dialed Calls	20
Inbox	50
Outbox	20
Drafts	10
Scan Lists	64 (200 group in each list)

RF Specifications

RF Specifications	
RF Channel Bandwidth	25KHz
RF Power Output	3W
RF Power Level Accuracy	Power Class 3 (3W) & 3L (1.8W)
RF Power Control	4stps of 5dB
Receiver Class	ETSI EN 392-2/396-2 Class A
RX Static Sensitivity	-112dBm(typical-116dBm)
RX Dynamic Sensitivity	-103dBm(typical-105dBm)
Maximum Audio Power Output	1W

Security Services

Security Services
Enhanced Security – OTAR/DMO SCK
Authentication (Mutual)
Air Interface Encryption (AIE) TEA1,TEA2,TEA3,TEA4 Security Class 1,2 and 3 support
E2EE (End to End Encryption) Security Services: Software Encryption (AES 128, AES 256) Hardware Encryption (SIM card)
Tamper protected hardware encryption module (Meet FIPS 140-2 level 3 standard(being certified))
Permanent Disable/Stun

License/Options

License/Options
GPS
JAVA
Radio User Assignment (RUA)
Transmit Inhibit
Callout
OTAP (Over The Air Programming)
DMO repeater*
Tamper proof*
MSPD*

*Optional Function.

All specifications are subject to change without notice due to continuous development.

Z1p

Not only a Ultra-thin Portable
(Thiner, Stronger, Safer)

Hytera Z1p, ultra-thin full power keypad TETRA portable radio, complies fully with ETSI open standard. Perfect combination of structural rigidity, versatile functionalities, and refined design; secure communication ensured by AIE, ETEE and Tamper proof; convenient application development facilitated by built-in Bluetooth and worry-free handing achieved by IP67 protection.

All comes with a surprisingly small size: 23mm(1400mAh Li-ion battery) thin.

Z1p

www.hytera.com

Innovative Design

① **Ease of Use**
Easy to use with the rugged body as thin as 23mm, professional wireless headsets or collar microphone, palm controller and dual-band antenna.

② **IP67 Compliance**
Complies with IP67 requirements, withstanding up to 1m submersion for 30 minutes or more.

③ **Rugged & Reliable**
Complies with MIL-STD-810 C/D/E/F/G standards and passes HALT (Highly Accelerated Lift Test).

④ **Large-size Colour Display**
Z1p adopts a 1.8"TFT LCD display (65536 colours), allowing good visibility even under outdoor strong sunlight.

Target Customers

Mission critical users :

- Public Safety
- Public Affairs
- Major Sports Events
- Airports, Transportation, Ports

Features

Security Services

- Air Interface Encryption (AIE) :
  TEA1, TEA2, TEA3, TEA4
  Security Class 1,2 and 3 support

- E2EE (End-to-End Encryption) Security Services:
  Software Encryption (AES128,AES256)
  Hardware Encryption (SMI card)

- Tamper Protected hardware encryption module
  Meet FIPS 140-2 level 3 standard.

Supports Hytera BT Accessories
The radio supports Hytera BT accessories:
EHW02, BT earpiece; POA47, BT Ring PTT.

GPS Positioning
The built-in GPS module supports GIS applications.

Vibration
Vibration alerts the reception of voice call and message.

DMO Repeater Type 1A
DMO repeater support and 3W output power further the communication range when meeting critical mission out of network.

WAP 2.0 and Java™ MIDP 2.0 Platform

MSPD
Multi-slot packet data function support.

Covert Mode
Covert mode design make it convenient when doing special target.

Hytera Z1p

Versatile Accessories for Specific Tasks

EAN21 — 3-wire Surveillance Earpiece with Transparent Acoustic Tube(Beige)

POA47 — BT Ring PTT

EHN21 — Remote C-Earset

EHW02 — Wireless Earpiece With Dual-PTT

MCA10 — MCU Multi-unit Rapid-rate Charger

AN0873H04 — Short Antenna

EWN08 — Digital Wireless Covert Earpiece (Flatpack Sensor)

PCN005 — Blet Clip

NCN009 — Vest

CH10L15 — MCU Dual-pocket Charger

BL1401 — Li-ion Battery 1400mAh

CH04L01 — Belt Charger

Hytera Z1p
Hytera offers a complete series of accessories for Z1p professional radio, including audio accessory, battery, portable accessory, etc., which further enhances the performance of Z1p.

Pictures above are for reference only and may vary from actual products.

Accessories

Li-ion Battery 1400mAh	BL1401*	Short Antenna	AN0873H04*
Switching Power(US-standard) 12V 1A	PS1018*	Radio Lanyard	RO03*
MCU Dual Charger	CH10L15*		
Li-ion Battery 1100mAh	BL1103	Receive only C Type Earset	EH-01
Li-ion Battery 1800mAh	BL1809	Receive only Swivel type Earset	EH-02
MCU Multi-unit Rapid-rate Charge	MCA10	BT Headset with Double PTT	EHW02
Intelligent Multi-unit Charger (with LCD)	MCA05-X	BT Ring PTT	POA47
3-wire Surveillance Earpiece with Transparent Acoustic Tube (Beige)	EAN21	Waterproof Remote Speaker Microphone (IP67)	SM26N1
2-wire Surveillance Earpiece with Transparent Acoustic Tube (Black)	EAN24	Belt Charger	CH04L01
Remote C-Earset	EHN21	Belt Clip	PC005
Remote Swivel Earset	EHN20	Remote Transparent Acoustic Tube	EAN22
Remote Earbud	ESN14	Digital Wireless Covert Earpiece (Flatpack Sensor)	EWN08
PTT&MIC cable (for use with Receive-Only Earpiece)	ACN-02		
Receive Only Earbud	ES-01	Conceal on Body Garment for Wearable Antenna and Radio	NCN009
Receive only Earpiece with Transparent Acoustic Tube	ES-02	NiTi antenna	

*Standard Accessories