Hytera
Respond & Achieve

Z1p

4S BEYOND YOUR EXPECTATIONS

SMALLER
STRONGER
SMARTER
SAFER

TETRA

www.hytera.com

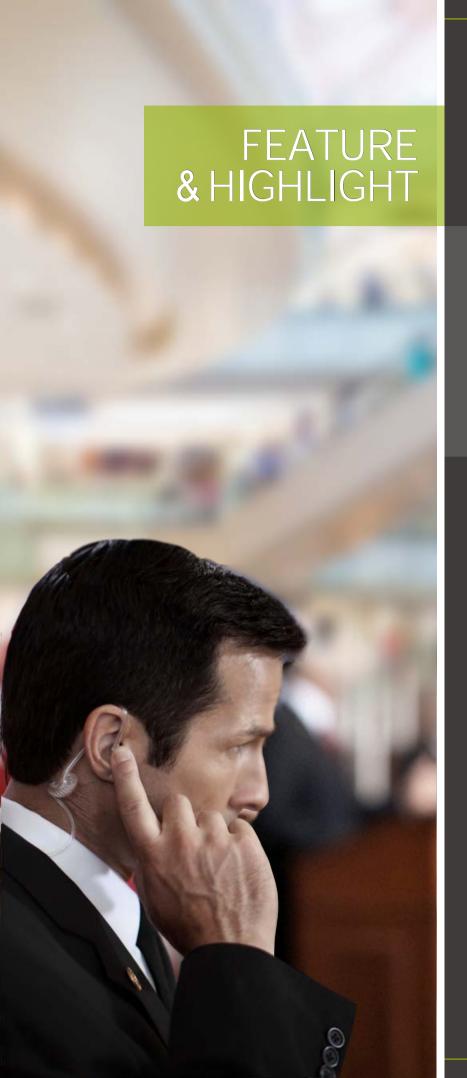## NOT ONLY AN ULTRA-THIN PORTABLE

Z1p combines ruggedness and high performance with smaller size, it is built for mission critical communications. Z1p has whatever user need, can satisfy all the requirements from different market, providing both fine appearance and powerful features. It can reach further distance, thus ensuring communication in the most demanding environments.

FEATURE & HIGHLIGHT

Smaller

Less than 270g, makes it easier to carry.
Only 23mm thin - easily fits in a pocket.
Adequate size of function keys and
spacing, ensures comfortable operation.

Stronger

Solid, tough and durable design,
guarantees the usability in the most
harsh and challenging environments.
IP67, Z1p can be used in all weather
conditions.
3 watt RF output and DMO repeater,
can effectively extend the coverage
beyond most radios.

Smarter

Built-in wireless module, provides
convenience in special scenarios.
Large 1.8" TFT LCD(65536 colours)
screen, brings good visibility even
under outdoor strong sunlight.

Safer

Enhanced audio output, delivers
loud and clear voice, even in the
noisiest environments.
Complete secure solution, provides
AIE and E2EE encryption.
Tamper proof capability, offers a
high degree of communication
security and protect the sensitive
speech/data from potential
eavesdropper.

Metal Frame

Not only earn your trust on secure communications and personnel safety, the high quality of metal frame design brings you full texture when holding it in hand.

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.
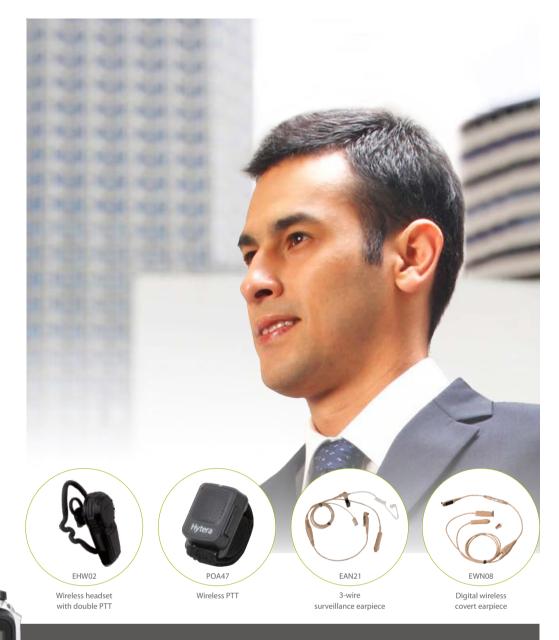
Z1p

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

CH10L15
MCU Two slots charger

EHN21
Remote C-earset(IP54)

PCN005
Belt clip

AN0873H04
Short antenna

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	380-430MHz/410-470MHz*/806-870MHz*
Dimensions(HxWxD)	120 × 58 × 23mm(1400mAH battery)
Weight	268g(with 1400mAH battery and antenna)
Battery	1400mAh/1800mAh
Battery Life	>13.5 hours (1400mAh)/17 hours (1800mAh)
LCD Color Display	1.8inch, 160*128pixels, 65536colors
Talk Group	TMO: 3000/DMO: 2000
Maximum 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	-112dBm(typical-116dBm)
RX Dynamic Sensitivity	-103dBm(typical-105dBm)

GPS SPECIFICATION

Sensitivity	≤-148dBm acquisition sensitivity
	≤-162dBm tracking sensitivity
Accuracy	≤2.5m
Cold Start (Time to First Fix)	< 26s
Hot Start (Time to First Fix)	< 1s

ENVIRONMENTAL

Operating Temperature	-30 ~ +60
Storage Temperature	-40 ~ +85
Humidity	ETS 300 019 (95%)
Water and Dust Protection	IEC60529, IP67
Drop, Shock & Vibration	MIL-STD-810 G

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)
Tamper protected hardware encryption module
(Meet FIPS 140-2 level 3 standard(being certified))
Enable/Disable

SERVICES

Fallback Operation
Energy economy
Seamless cell re-selection

LICENSE

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

VOICE

Half-Duplex	Individual call
	Group call/Broadcast call
	DTMF
	Gateway call/Repeater call (DMO)
	Phone call
Full-Duplex	Individual call
	Phone call (PABX/PSTN)
	DTMF
Emergency Call	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
	Sending/Receiving message during call
PD	Single-slot/Multi-slot
Peripheral Equipment Interface (PEI)/AT command	
Callout	

Note: * -- Available on request.

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

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