

SPECIFICATIONS

General		BP516
Frequency Range		UHF: 400-470 MHz; VHF: 136-174 MHz
Channel Capacity	64	
Zone Capacity	4	
Channels Per Zone		16
Channel Spacing		12.5kHz/20kHz/25kHz
Operating Voltage		7.4V
Battery		1500mAh (Standard); 2000mAh (Optional)
Battery Life (5/5/90 Duty Cycle, High TX Power)		Analog: 12h (1500mAh), 16h (2000mAh) Digital: 16h (1500mAh), 21h (2000mAh)
Frequency Stability		±0.5ppm
Antenna Impedance		50Ω
Weight (with antenna & battery)	210g ± 5%	
Dimensions (H x W x D)		115 X 55 X 29.5mm
BT (optional)		BT 5.0 BLE + EDR
Display	N/A	
Receiver		
Sensitivity		Digital: 0.18μV / BER5% Analog: 0.18μV (12dB SINAD)
Adjacent Channel Selectivity		TIA-603: 60dB@12.5kHz; 70dB@20/25kHz ETSI: 60dB@12.5kHz; 70dB@20/25kHz
Intermodulation		TIA-603: 70dB@12.5/20/25kHz ETSI: 65dB@12.5/20/25kHz
Spurious Response Rejection		TIA-603: 70dB@12.5/20/25kHz ETSI: 70dB@12.5/20/25kHz
Blocking		TIA-603: 80dB ETSI: 84dB
Hum and Noise		40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz
Rated Audio Power Output		1W
Rated Audio Distortion		≤3%
Audio Response		+1 to -3dB
Conducted Spurious Emission		<-57dBm
Transmitter		
RF Power Output		VHF: 5W/1W; UHF: 4W/1W
FM Modulation		11K0F3E@12.5kHz; 14K0F3E@20kHz; 16K0F3E@25kHz
4FSK Digital Modulation		12.5kHz Data Only: 7K60FXD 12.5kHz Data and Voice: 7K60FXW
Conducted/Radiated Emission		-36dBm <1GHz; -30dBm >1GHz
Modulation Limiting		±2.5kHz@12.5kHz; ±4.0kHz@20kHz; ±5.0kHz@25kHz
FM Hum & Noise		40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz
Adjacent Channel Power		60dB@12.5kHz; 70dB@20/25kHz
Audio Response		+1 to -3dB
Audio Distortion		≤3%
Digital Vocoder Type		AMBE+2™
Environmental		
Operating Temperature		-30°C ~ +60°C (Battery requires -20°C minimal operating temperature)
Storage Temperature		-40°C ~ +85°C
ESD		IEC 61000-4-2 (Level 4) ±8kV (contact); ±15kV (air)
Dust and Water Intrusion		IEC60529-IP54 (IP67 optional)
Humidity		MIL-STD-810 G
Shock and Vibration		MIL-STD-810 G



ACCESSORIES

STANDARD ACCESSORIES:



Antenna



Belt Clip



Battery



MUC Rapid-rate
Charger



Power Adapter



Strap

OPTIONAL ACCESSORIES:



Adapter (USB)



Data cable
PC143



C-Earset



Programming cable
PC155



Battery
2000mAh

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ENHANCED BUSINESS TWO-WAY RADIO

BP516

STAY CONNECTED, STAY PRODUCTIVE



BP516

FEATURES TO KEEP YOU CONNECTED



DIGITAL AND ANALOG COMPATIBLE

Supports both digital and analog modes, compatible with your existing digital and analog systems and terminals. Powerful digital features like priority interrupt, basic encryption, text messaging, roaming will enhance your business service. The BP5 series has extended range in class and features 64/128 channels, making group communication more flexible.

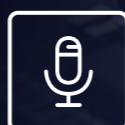


STURDY BODY

Wear-resistant and scratch-resistant body, standard IP54 dustproof and waterproof; large key design, flexible operation even with gloves.



DESIGNS FOR EASE OF USE



CLEAR AND LOUD AUDIO

Light and compact with a built-in intelligent noise reduction algorithm, to eliminate unwanted background noise, supports three-level noise reduction adjustment so even if the other party is speaking in a noisy environment, you can still listen clearly. 3W high-power loudspeaker with a loudness of up to 90dBA, the sound is clear and loud even in noisy and other harsh conditions; good howling suppression ability, even if many people use the walkie-talkie in the same room, there will be no annoying howling sound.



VOICE BROADCAST

Voice broadcast confirms the operation of programmable buttons or changing the channel of non-display radios.



EXPAND COVERAGE

The BP5 has a high sensitivity receiving module and high-efficiency monopole antenna to enhance signal penetration and achieve better call affect even in weak signal areas. In addition, the monopole antenna has a unique thick screw thread design and is not easy to break and bend, it helps to enhance antenna life time and also increase the radiation efficiency compared to traditional antennas by 11% to extend radio communication distance.



Type-C Charging

Use Type-C charging interface, can be used with a mobile power supply to instantly replenish energy, and put it to work anytime, anywhere.



High energy battery

The BP5 series uses international well-known brand batteries with a long service life. It still has 80% of the initial battery capacity after 500 charge-discharge cycles. The radio can be charged from 0% to 100% in only 1.8 hours. After charging for 1 hour it can work for 10 hours. A 10W rapid-rate charger ensures safe and reliable charging which can work in harsh environments such as high or low temperatures.



Delicate appearance

Lightweight design making it lighter and thinner than similar products, easy to carry and use: Two-colour injection moulding making it highly recognisable and able to suit the user's working environment and dressing habits. The colour can be flexibly customised based on your requirement.



Trustworthy quality

Hytera has the world's largest professional communication production line, and manufactures each walkie-talkie in accordance with Industry 4.0 standards. Our strict supplier management system certification ensures each component meets the quality control requirements to ensure the consistency of product quality.

