

# ENHANCED BUSINESS TWO-WAY RADIO

## AP51X/AP58X

STAY CONNECTED, STAY PRODUCTIVE



AP51X

AP58X

The AP5 series business radios are the perfect choice for instant communication. With a 3W speaker, the compact and light AP5 series can deliver loud and clear audio that allows you to hear and be heard in background noise. It has an incredibly long 17-hour battery life in its most minimal form. Type-C USB charging allows to charge the radio with a power bank anywhere. With the extended range and a bunch of productivity and efficiency increasing features, the AP5 series will ensure you stay connected and productive.







## HEAR AND BE HEARD ANYWHERE

You might lose key information due to the unclear audio mixed with heavy background noise, or spend much extra time delivering your information to your partners. The AP5 series has a 3W speaker and advanced noise cancellation algorithm to eliminate unwanted background noise, reduce distortion, and suppress howling caused by other devices when in close proximity of each other, delivering louder and clearer audio. The background noise will no longer slow down your communication, and you can hear and be heard wherever you are.



## COMMUNICATE THROUGHOUT THE WORKPLACE

The AP5 series has high-sensitivity receiving module and high-efficiency monopole antenna to enhance signal penetration and achieve better call effect even in weak signal room. In addition, the monopole antenna has unique thick screw thread design and is not easy to break and bend, it help enhance antenna life time and also increase the radiation efficiency compared to traditional antenna by 11% to extend radio communication distance .



## DO MORE WHILE CARRYING LESS

With a 4000mAh Li-polymer battery, plus the low consumption design, the AP5 series has an incredibly long 17-hour battery life in its most minimal form to supply your increasing need, without compromising in style or performance. The 10W USB Type-C charger can get the radio fully charged in 1.8-hour, or charge the radio in just one hour to get 8-hour of talk time. The long life battery also helps your teams power through extended shifts. So you can do more, while carrying less.



## WORK SMARTLY AND EFFECTIVELY

Compact and light, yet the AP5 series is coupled with a package of features to make it easy to get your work done. Voice broadcast confirms the operation to programmable button or changing the channel of non-display radios. Also there are three kinds of optional signaling to deliver critical information by a simple pressing.



## TRUSTWORTHY QUALITY

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

## KEY FEATURES

- 32/128 channels
- Auto scan
- Votc scan
- Priority channel hunt
- Squelch
- Clear audio
- H/L power switching
- HDC1200 signaling/2-Tone signaling/  
5-Tone signaling (optional)
- CTCSS/CDCSS
- Talk around
- Timeout timer
- Voice broadcast
- BT (optional)
- Type-C Charge



# SPECIFICATIONS

General	AP51X	AP58X
Frequency Range	400-470MHz;136-174MHz	
Channel Capacity	32	128
Zone Capacity	2	8
Zone Channel	16	
Channel Spacing	12.5kHz/20kHz/25kHz	
Operating Voltage	3.7V (rated)	7.4V (rated)
Battery	4000mAh 3.7V	1500mAh 7.4V 2000mAh 7.4V (Optional)
Battery Life (5/5/90 Duty Cycle,High TX Power)	17h	12h(1500mAh) 16h(2000mAh)
Frequency Stability	±0.5ppm	
Antenna Impedance	50Ω	
Dimensions (H x W x D)	105 x 55 x 29.5mm	115 x 55 x 29.5mm
Weight(with antenna&battery)	200g	230g
Display	\	1.44 inch monochrome LCD
BT (optional)	BT 5.0 BLE+EDR	
<b>Receiver</b>		
Sensitivity	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	0.5W	1W
Rated Audio Distortion	≤3%	
Audio Response	+1~-3dB	
Conducted Spurious Emission	<-57dBm	
<b>Transmitter</b>		
RF Power Output	VHF: 4-5W / 1W UHF: 3-4W / 1W	VHF: 5W / 1W UHF: 4W / 1W
FM Modulation	11K0F3E@12.5kHz; 14K0F3E@20kHz; 16K0F3E@25kHz	
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%	
<b>Environmental</b>		
Operating Temperature	-30°C* to +60°C	
Storage Temperature	-40°C to +85°C	
ESD	IEC 61000-4-2 (Level 4) ±8kV (contact); ±15kV (air)	
Dust and Water Intrusion	IEC60529-IP54	
Humidity	MIL-STD-810 G	
Shock and Vibration	MIL-STD-810 G	

\*Radio only - Battery -20°C

## ACCESSORIES

### STANDARD ACCESSORIES:



Li-ion Battery  
1500mAh (AP58X)



MUC Rapid-rate Charger  
(AP58X)



Power Adapter  
12V/1A (AP58X)



Belt Clip



Strap



Li-polymer Battery  
4000mAh (AP51X)



Type-C Cable  
(AP51X)



Power Adapter (USB)  
(AP51X)



Antenna

### OPTIONAL ACCESSORIES:



Li-ion Battery  
2000mAh (AP58X)



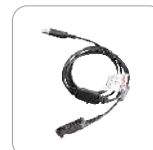
Type-C Cable  
(AP58X)



Power Adapter (USB)  
(AP58X)



C-Earset



Programming Cable  
PC155





**Hytera Communications Corporation Limited**

**Stock Code:** 002583.SZ

**Address:** Hytera Tower, Shenzhen Hi-Tech Industrial Park North,  
Beihuan RD.9108#, Nanshan District, Shenzhen, P.R.C.

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

**Http:** //www.hytera.com **marketing@hytera.com**



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