



ENHANCED BUSINESS LICENSE-FREE
ANALOG TWO-WAY RADIO

AP529LF

COMPACT, RELIABLE AND READY TO USE STRAIGHT OUT THE BOX

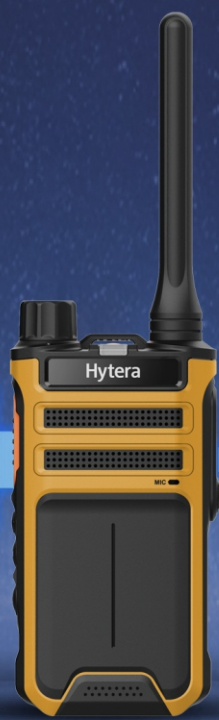


AP529LF

www.hytera.com

Hytera AP529LF License-free Business Radio is the portable radio designed with business productivity in mind. It provides instant, always-available communications for those engaging in retail, hospitality, and manufacturing industries to collaborate seamlessly and work efficiently. Slim and light, AP529LF is easy to carry on the go. It delivers enhanced audio clarity and loudness even in noisy environment, thanks to a 3-watt speaker and noise cancellation algorithm. Packed with an incredible 25-hour battery life, AP529LF easily covers an entire shift and beyond. The Type-C USB port design allows AP529LF to be charged with a power bank anywhere. Also its high-sensitivity RF module and high-performance antenna extend communication range to make the users stay connected in the workplace.





Deliver Crystal-Clear Audio

From the 3-watt speaker to the advanced noise cancellation algorithm, AP529LF eliminates unwanted ambient noise, reduces distortion, and suppresses howling caused by radios close to each other. So AP529LF delivers loud and clear audio, helping the users get business-essential information to be more productive at any time.



Communicate Throughout the Workplace

AP529LF comes with the high-sensitivity RX module and high-efficiency monopole antenna for stronger signal penetration. Thus, the users can communicate smoothly even with low battery or in weak signal areas. Additionally, the antenna has the unique thickened thread design for great flexibility, better radiation efficiency, prolonged service life, and extended communication range.



Outlast Your Shift

Long-lasting battery life keeps the users connected throughout an extended shift. With the low power consumption design and the 4,000 mAh Li-polymer battery, AP529LF can work for up to 25 hours on a single charge. Through the 10W power adapter and the Type-C USB cable, AP529LF can be fully charged in just 3 hours.





Easy to Use

AP529LF packs a wide range of innovative features into a form factor small enough to hold in your hand. It is remarkably intuitive to use. For example, even without screen, AP529LF can give a voice announcement to confirm operation such as channel switch or programmable key settings, allowing the users to keep eyes on the job at hand.



Trustworthy Quality

AP529LF is built with Hytera quality. At Hytera, quality is everywhere, from the world's largest professional mobile radio (PMR) production line, to strict supplier management system, to stringent quality control process. All of these contributes to the durability and reliability of each radio.

KEY FEATURES

- 32 channels
- Auto scan
- Priority channel hunt
- Squelch
- Clear audio
- H/L power switching
- 2-Tone signaling
- CTCSS/CDCSS
- Talk around
- Timeout timer
- Voice announcement
- Type-C Charge



SPECIFICATIONS

General		AP529LF
Frequency Range		446.0-446.2 MHz
Channel Capacity		32
Zone Capacity		2
Zone Channel Capacity		16
Channel Spacing		12.5 kHz
Operating Voltage		3.7 V (rated)
Battery		4000 mAh Li-Polymer
Battery Life (5/5/90 Duty Cycle)		25 hrs
Frequency Stability		±0.5 ppm
Antenna Impedance		50 Ω
Dimensions (H x W x D)		105 mm x 55 mm x 29.5 mm
Weight(with antenna & battery)		200 g
Receiver		
Sensitivity		0.18 μV (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		0.5 W
Rated Audio Distortion		≤3%
Audio Response		+1 dB to -3 dB
Conducted Spurious Emission		< -57 dBm
Transmitter		
Power Output		0.5 W
FM Modulation		11K0F3E@12.5kHz; 14K0F3E@20kHz; 16K0F3E@25kHz
Conducted/Radiated Emission		-36 dBm < 1GHz; -30 dBm > 1 GHz
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 dB to -3 dB
Audio Distortion		≤3%
Environmental		
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 Protection		IP66
Humidity		GJB150A-2009, MIL-STD-810 H
Vibration, Drop & Shock		GJB150A-2009, MIL-STD-810 H

*Radio only - Battery -20°C

ACCESSORIES

STANDARD ACCESSORIES:



Li-polymer Battery
4000mAh



Type-C Cable



Power Adapter (USB)



Belt Clip



Strap

OPTIONAL ACCESSORIES:



C-Earset



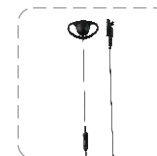
Carrying Case (Nylon)



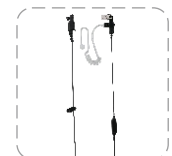
Remote Speaker Microphone



Programming Cable



D-Earset



Earpiece with Transparent
Acoustic Tube



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