

SPECIFICATIONS

| General                                           | AP515                                                                     | AP585                                   |
|---------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------|
| Frequency Range                                   | 400-470MHz;136-174MHz                                                     |                                         |
| Channel Capacity                                  | 32                                                                        | 128                                     |
| Zone Capacity                                     | 2                                                                         | 8                                       |
| Channels Per Zone                                 | 16                                                                        |                                         |
| Channel Spacing                                   | 12.5kHz/20kHz/25kHz                                                       |                                         |
| Operating Voltage                                 | 3.7V (rated)                                                              | 7.4V (rated)                            |
| Battery                                           | 4000mAh 3.7V                                                              | 1500mAh 7.4V<br>2000mAh 7.4V (Optional) |
| Battery Life<br>(5/5/90 Duty Cycle,High TX Power) | 17h                                                                       | 12h(1500mAh)<br>16h(2000mAh)            |
| Frequency Stability                               | ±0.5ppm                                                                   |                                         |
| Antenna Impedance                                 | 50Ω                                                                       |                                         |
| Dimensions (H x W x D)                            | 105*55*29.5mm                                                             | 115*55*29.5mm                           |
| Weight(with antenna&battery)                      | 200g                                                                      | 230g                                    |
| Display                                           | \                                                                         | 1.44 inch monochrome LCD                |
| BT (optional)                                     | BT 5.0 BLE+EDR                                                            |                                         |
|                                                   |                                                                           |                                         |
| Receiver                                          |                                                                           |                                         |
| Sensitivity                                       | 0.18μV (12dB SINAD)                                                       |                                         |
| Adjacent Channel Selectivity                      | TIA-603: 60dB@12.5kHz; 70dB@20/25kHz<br>ETSI: 60dB@12.5kHz; 70dB@20/25kHz |                                         |
| Intermodulation                                   | TIA-603: 70dB@12.5/20/25kHz<br>ETSI: 65dB@12.5/20/25kHz                   |                                         |
| Spurious Response Rejection                       | TIA-603: 70dB@12.5/20/25kHz<br>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                                                                   |                                         |
|                                                   |                                                                           |                                         |
| Transmitter                                       |                                                                           |                                         |
| RF Power Output                                   | VHF: 4-5W / 1W<br>UHF: 3-4W / 1W                                          | VHF: 5W / 1W<br>UHF: 4W / 1W            |
| FM Modulation                                     | 11K0F3E@12.5kHz;<br>14K0F3E@20kHz;<br>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%                                                                       |                                         |
|                                                   |                                                                           |                                         |
| Environmental                                     |                                                                           |                                         |
| Operating Temperature                             | -30°C to +60°C (Battery requires -20 °C minimal operating temperature)    |                                         |
| Storage Temperature                               | -40°C to +85°C                                                            |                                         |
| ESD                                               | IEC 61000-4-2 (Level 4)<br>±8kV (contact); ±15kV (air)                    |                                         |
| Dust and Water Intrusion                          | IEC60529-IP54                                                             | IEC60529-IP54 (IP67 optional)           |
| Humidity                                          | MIL-STD-810 G                                                             |                                         |
| Shock and Vibration                               | MIL-STD-810 G                                                             |                                         |

ACCESSORIES

STANDARD ACCESSORIES:

OPTIONAL ACCESSORIES:



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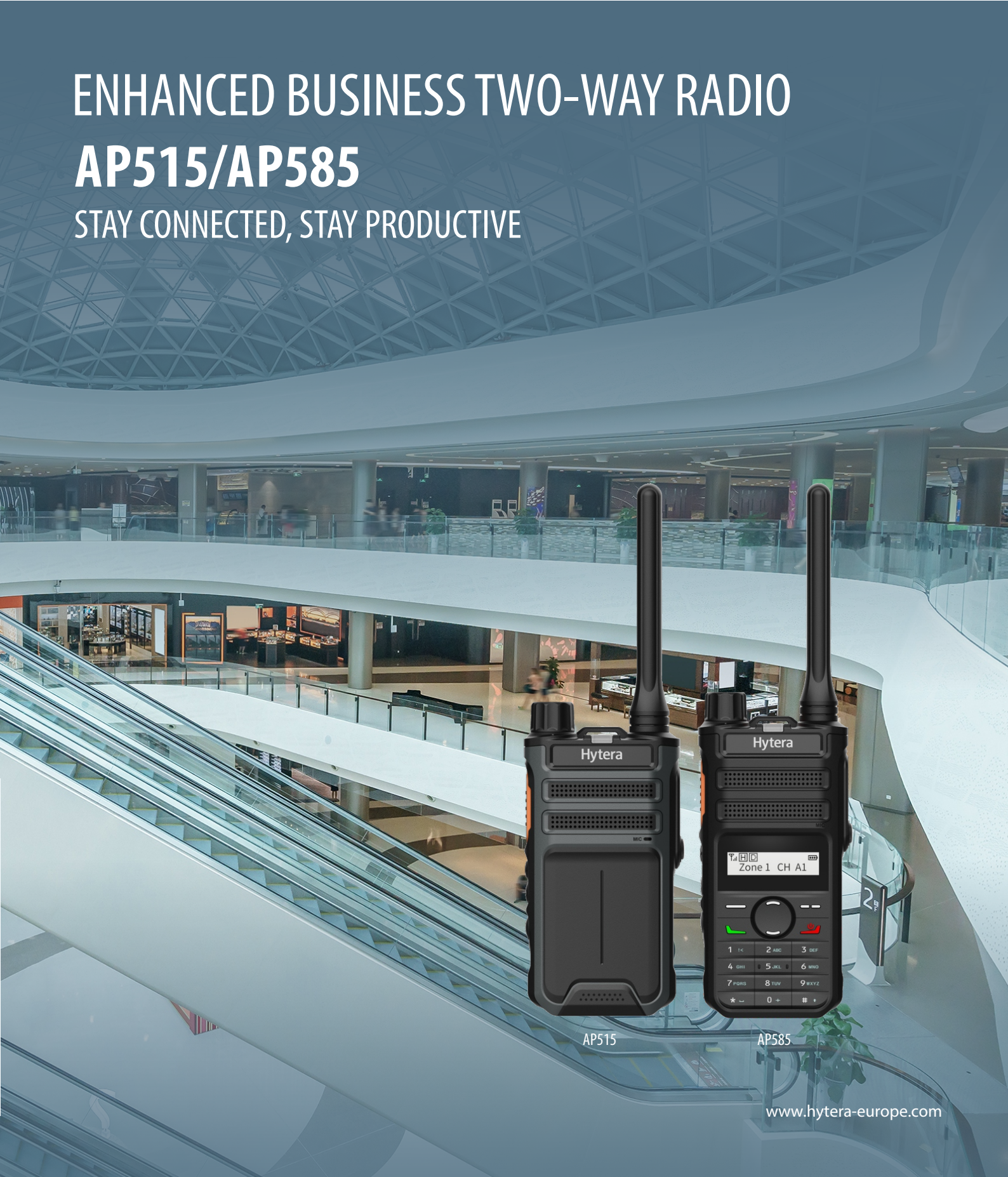
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ENHANCED BUSINESS TWO-WAY RADIO  
**AP515/AP585**  
STAY CONNECTED, STAY PRODUCTIVE



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 charge plug allows users 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 a weak signal room. In addition, the monopole antenna has a unique thick screw thread design and is not easy to break and bend helping to enhance antenna life time and also increase the radiation efficiency compared to traditional antennas by 11% to extend radio communication distance.



#### DO MORE WHILE CARRYING LESS

With a 4000mAh Li-polymer battery, plus the low consumption design, the AP515 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 charge plug can get the radio fully charged in 1.8-hours, or charge the radio in just one hour to get 8-hours 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 of a 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 press.



#### 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.

### KEY FEATURES

- 32/128 channels
- Auto scan
- Vote 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 plug

