

Light, compact and boasts impressive features, this handset is designed for users who need reliable entry-level communications on the go.

The BP565 features powerful digital assets such as priority interrupt, basic encryption, text messaging and roaming. Plus, with a built-in intelligent noise reduction, it will eliminate any unwanted background noise.



Specifications

| General | |
|-------------------------------------------------|---------------------------------------------------------------------------------------------|
| Frequency Range | UHF: 400-470 MHz; VHF: 136-174 MHz |
| Channel Capacity | 128 |
| Zone capacity | 8 |
| 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 | ± 0.5 ppm |
| Antenna impedance | 50 Ω |
| Dimensions (H × W × D) (without antenna) | 115X55X29.5mm |
| Weight (with antenna and standard battery) | approx. 230g |
| BT (optional) | BT 5.0 BLE+EDR |
| Display | 1.77 inchTFT |

| Environmental | |
|-----------------------------|------------------------------------------------------------------------|
| Operating temperature range | -30°C to +60°C (Battery requires -20 °C minimal operating temperature) |
| Storage temperature range | -40°C to +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 standard |
| Shock and Vibration | MIL-STD-810 G standard |

All technical information was determined at the factory and in accordance with the corresponding standards. Subject to change on the basis of continuous development.

| Receiver | |
|------------------------------|-----------------------------------------------------------------------------------------|
| Sensitivity | Digital: 0.18 μV / BER5% Analog: 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 | 1W |
| Nominal audio distortion | ≤ 3% |
| Audio sensitivity | + 1 dB at - 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 | + 1dB at - 3dB |
| Audio Distortion | ≤ 3% |
| Digital Vocoder Type | AMBE+2™ |

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