

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	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	± 0.5 ppm
Antenna impedance	50 Ω
Dimensions (H × W × D) (without antenna)	115X55X29.5mm
Weight (with antenna and standard battery)	approx. 210g
BT (optional)	BT 5.0 BLE+EDR

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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