CALTTA PH660
Datasheet

call systems technology
Passionate People. Proven Solutions.

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PH660 integrates professional appearance layout, perfect PTT function design and professional manufacturing technology. It makes the user's work easier, the organization's operation more efficient. It is the first choice for PTT communication.

Specifications

General

Digital Protocol	ETSI TS 102 361-1,-2,-3
Frequency	UHF1: 400-470MHz; VHF: 136-174MHz
Channel Capacity	1024
Zone Capacity	64
Channel Spacing	12.5kHz/20KHz/25KHz
Frequency Stability	±0.5ppm
Operating Voltage	7.4V
Battery Capacity	2600mAh
Battery Life(5:5:90)	Analog: 16 hours Digital: 20 hours
Size (H x W x D)	100x54.5x36.5mm (Without Antenna)
Weight	About 290g
Screen	1.74"Transflective LCD, 240x180
Vocoder	AMBE++
Bluetooth	BT2.1+EDR/4.0 (optional)
Location	GPS/Glonass (optional)
Man Down	Support
Vibration	Support
Real-time Clock	Support
Encryption	Support SW and HW Encryption (Optional)

Environmental

Operating temperature range	- 30°C to + 60°C
Storage temperature range	- 40°C to + 85°C
ESD	IEC 61000-4-2 (level 4), ± 8 kV (contact, ± 15kV (air)
Protection against dust and moisture	IP68
Reliability	MIL-STD-810 G

Transmitter

Power Output	1W/4W (UHF1), 1W/5W (VHF)
FM Modulation	12.5KHz: 11K0F3E / 20KHz: 14K0F3E / 25KHz: 16K0F3E
4FSK Digital Modulation	12.5KHz Data Only: 7K60F1D&7K60FXD 12.5KHz Voice Only: 7K60F1E&7K60FXE 12.5KHz Voice And Data: 7K60F1W
Conducted/Radiated Emission	-36dBm ≤1GHz ; -30dBm >1GHz
Modulation Limiting	±2.5KHz@12.5KHz /±4KHz@20KHz / ±5.0KHz @25KHz
FM Hum and Noise	-40 dB@12.5KHz/-43dB@20KHz /-45dB@25KHz
Adjacent Channel Power	60 dB@12.5KHz /70 dB @20/25KHz
Audio Distortion @ Rated Audio	≤3% (Typical)
Audio Response	+1 ~ -3dB(TIA603D)

Receiver

Sensitivity (analogue)	0.22uV (12dB SINAD)
Sensitivity (digital)	0.22uV (5% BER)
Adjacent channel selectivity	60dB@12.5KHz/70dB@20/25KHz (TIA603A) -1T 45dB@12.5KHz /70dB@20/25KHz (TIA603D) -2T 60dB@12.5KHz /70dB@20/25KHz (ETSI)
Intermodulation	70 dB (TIA603D) / 65 dB (ETSI)
Spurious response rejection	70 dB (TIA603D) / 70 dB (ETSI)
Blocking or Desensitization	80dB(TIA603D) / 84dB(ETSI)
Co-channel Rejection	-12~0 dB @12.5KHz/-8~0 dB @20/25KHz
Hum and Noise	-40dB@12.5KHz /-43dB@20KHz /-45dB@25KHz
Rated Audio Power	0.5W
Max Audio Power	2.0W
Audio Distortion @ Rated Audio	≤3% (Typical)
Audio Response	+1 ~ -3dB (TIA603D)
Conducted Spurious Emission	-57 dBm (TIA603D)

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

Accessories

Standard

	Power Adapter
	Antenna
	2600mAh Battery
	Belt Clip
	Antenna

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