

CHP - 880

Mission Critical Interactive Communication



CHP-880 is our latest mission critical interactive communication product to meet the market needs for massive growing of multimedia broadband push to talk (ptt) communication and equipped with Multi-mode (LTE, Wi-Fi and Narrow-band).

KEY FEATURES & APPLICATION

Operation Mode	Voice Service
Digital Mobile Radio Trunking	Group Call
Digital and Analog Conventional	Private Call
GSM	All Call
LTE	Broadcast Call
WLAN	Emergency Call
Bluetooth	Public Phone Call
	PSTN/PABX Call
	Alert Call
	Alert Call
	Remote Monitor
	Priority Interrupt
	Override/Interrupt
	Call Queuing
	Call Priority

Data Service	Audio
Text Message	Microphone Gain Control
Status Message	Audio Feedback Suppression
MMS	Microphone Path Set Speaker Path Set
Clarity Transmission	Three-band Equalizer
Data Query	VOX

Security	Others
Emergency Alarm	Positioning
Stun/Kill/Revive	Scan and Roaming
Radio Check	Covert Mode
Man Down	
Lone Worker	
Authentication	
Over the Air Encryption	
Analog Scrambler	

Application
Contacts
Messaging
Camera
Gallery
Sound Recorder
Files
Documents
Notes
Calendar
Clock
Calculator
Browser
Compass



Sensors: 6-axis E-compass, barometer, gyroscope, accelerometer, proximity sensor, Ambient light sensor
Positioning systems: GPS, BDS, GLONASS
Wired connection: accessory pins; **Wireless connection:** WLAN, NFC and BT

Specifications

Wireless Data Communication

Digital Mobile Radio/Analog	800 MHz: 806-825 MHz, 851-870 MHz UHF : 350 – 527 MHz
LTE	FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B20/B26/B28 TDD-LTE: B38/B39/B40/B41
GSM	850/900/1800/1900MHz
WLAN	802.11 b/g/n, 2.4GHz
NFC	13.56MHz
BT	V4.2 LE+EDR
Positioning System	GPS, GPS/BDS, GPS/GLONASS

General Specifications

Dimensions (H x W x D)	139.5 x 68 x 25.3mm
Weight (with antenna & battery)	378g
AP Processor	Qualcomm 8-core, 2.0GHz
Ports	20PIN Accessory/Charging Port
Main Display	4.0" Capacitive, Touch screen, Gloves Compatible
Front Camera	13MP Auto Focus
Rear Camera	13MP Auto Focus
Operating Voltage	7.6V(Rated)
Sensors	Proximity Sensor Ambient Light Sensor 6-axis E-Compass Barometer Gyroscope Accelerometer Dual SIM Cards

Battery

Standard	2900 mAh Li-polymer
Optional	4000 mAh
Battery Life	Standard Battery: 14h 12h voice (5:5:90) +2h video Optional Battery: 20h 18h voice (5:5:90) +2h video



Transceiver

Channel Spacing	25/20/12.5kHz
TX Power	800 MHz: 1W/3W UHF : 1W/4W
RX Sensitivity	Analog: 0.3μV(12dB SINAD) 0.22μV(12dB SINAD)(Typical) 0.4μV(20dB SINAD) Digital: 0.3μV/BER5%
Inter-modulation	TIA-603: 70dB@12.5/20/25kHz ETSI: 65dB@12.5/20/25kHz
Blocking	84dB
Suppression of Spurious Response	TIA_603: 70dB@12.5/20/25kHz ETSI: 70dB@12.5/20/25kHz
Frequency Stability	±0.5ppm
Antenna Impedance	50Ω
Audio Output	2W(Rated)
Audio Distortion	≤3%
Microphone	NRR: 30dB(Static), 20dB(Non-static) AEC: > 60dB
Digital Vocoder Type	AMBE++, NVOC

Software

Android Operating System

Video and Imaging

Video File Types	3GPP(.3gp), MPEG-4(.mp4), QuickTime(.mov), WEBM(.webm), Windows Media(.asf,.wmv), RealMedia(.rmvb, .rm), MPEG-PS(.mpg, .mpeg), MPEG-TS(.ts), AVI(.avi), Matroska(.mkv)
Image File Types	JPEG(.jpg), GIF(.gif), PNG(.png), BMP(.bmp)
Video Recording Quality	Front Camera: 1080P HD up to 30 frames per second(fps) Rear Camera: 4K HD
Watermark	Video and imaaina

Audio

File Types	MP3(.mp3), WAV(.wav), 3GPP(.3gp), MPEG-4(.mp4,.m4a), ATDS raw AAC(.aac), MPEG-TS(.ts), FLAC(.flac), MIDI(.midi, .xmf, .mxmf), RTTTL/RTX(.rtttl, .rtx), OTA(.ota), iMelody(.imy), Ogg(.ogg), Matroska(.mka), QCELP(.qcp), RealMedia(.ra), Windows Media(.wma), AC3(.ac3)
Input	Dual Mic Noise Suppression Wind Noise Suppression Echo Cancellation

Environment Performance

Dust and Water Proof	IEC 60529-IP67
Shock and Vibration	MIL-STD-810 G
Operating Temperature	-20°C +60°C
Storage Temperature	-30°C +80°C

Optional Accessories



Body Worn Camera



Body Worn Camera
with LCD



Microphone



Covert Camera



4000 mAh Smart Battery



Carkit



Fast Charger



Multi-unit Charger



BT Heart Rate Earpiece



Transparent Earpiece



Wired Ear set