



## EP801 1-line Long Range Cordless

### Features :

- 1-Line Digital Long Range Cordless, base w/dialing keypad & Speakerphone
- Frequency band: 863~865MHz
- 38 channel auto-scan
- Channel spacing: 50kHz
- RF power : 6mW (8dBm)
- Long range : up to 1km
- Expandable handset (up to 9 handsets)
- Multi-base (up to 4 bases)
- Vibration mode
- Mono display
- LCD backlight
- Display multiple language : English/French/German/Italian/Spanish
- ETSI Caller ID supported
- Call log
- Date/Time stamp (for Caller ID)
- Key guard
- Call timer

- 50 names/numbers phonebook
- Handset Speakerphone
- Two-way Intercom
- Broadcasting
- Call hold
- Call barring (for outgoing call)
- Call manager
- Call park
- Mute
- Flash (100ms ~ 900ms)
- Redial (last 10 calls)
- 6 level volume control
- Auto-answer
- Any key answer
- Auto hang up
- Dialing prefix
- Keytone volume selectable
- Ringer volume selectable
- Selectable ring tone (for Incoming call)
- Selectable ring tone (for Intercom)
- Low battery alarm and display
- Hearing aid compatible
- External handset/base antenna
- Built-in 2.5mm headset jack
- Optional outdoor antenna – sold separately
- Programmable PBX option key
- CE Compliance
  - ETSI EN 301 357-2 (Radio for Cordless Audio)
  - ETSI EN 301 489-3 (EMC for Cordless Audio)
  - EN 60950 (Safety)
  - EN 50371 (RF Safety)
- RoHS compliant
- Handset keypad:
  - Talk/Flash
  - Speakerphone
  - PTT (Broadcast)

- End/Power
- Intercom
- Caller ID
- Hold (built-in Caller ID key)
- Softkey x 2
- Up/Down key
- Standard dialing keys (0~9, \*, #)
- Redial (softkey)
- Menu (softkey)
- Mute (softkey)
- Base keypad:
  - Up/Down key
  - Standard dialing keys (0~9, \*, #)
  - Redial/Pause
  - Flash
  - Hold
  - Memory
  - Transfer
  - Speakerphone
  - Intercom/Broadcast
  - Reset (rear)
  - REG (rear)
- Base LED:
  - Power
  - In Use
  - Broadcast
- DC jack
- Tel jack
- Line jack
- Battery: 1100mAh, Li-ion
- Standby time: 60Hours (90 hours for optional battery)
- Talk time: 4 hours (7~8 hours for optional battery)
- Accessory:
  - Desktop charger (two slots, one for handset, the other for spare battery)
  - Optional: 1700mAh, Li-ion

## EP801 Technical Specification

Electrical Specifications	Base Station	Portable Handset
Frequency	863-865 MHz	863-865 MHz
RF Output Power	Peak: 8 dBm	Peak: 7 dBm
	Average: 5 dBm	Average: 5 dBm
Channel Spacing	50 kHz	50 kHz
Number of Channels	38	38
Modulation	GMSK	GMSK
TDD Frame Length	10 ms	10 ms
Number of Slots/Frame	2	2
Receiver Sensitivity	<-116dBm (@ BER 10 <sup>-2</sup> )	<-116dBm (@ BER 10 <sup>-2</sup> )
Antenna Gain	2 dBi	Long: 2.5 dBi Short: 1.5 dBi
Antenna Connector	TNC	Proprietary
Telephone Interface	RJ11 x 2	NA
Channel Coding	½ rateConvolutional + CRC	½ rateConvolutional + CRC
Transmission Data Rate	42.667kbps	42.667kbps
Speech Coding	8 kbps G.729A	8 kbps G.729A
User Data Rate	32kbps duplex	32kbps duplex
Duplex	Time Division Duplex (TDD)	Time Division Duplex (TDD)
Multiple Access	FDMA	FDMA
Number of System ID	65,535	65,535
Ring Signal	20-50 Hz, 12-90 Vrms	NA
Flash Time	100-900 ms programmable	NA
Power Source	AC/DC 12V/1A Adapter	3.7 V/1100mAh Li-Ion Battery
Charger Current	NA	550mA
		(550/850 mA for desktop charger)
Charge Time	NA	3hours
Regulation Compliance	EN 301 357-2 (RF)	EN 301 357-2 (RF)
	EN 301 489 (EMC)	EN 301 489 (EMC)
	EN 60950 (Safety)	EN 60950 (Safety)
		EN 50371 (RF safety)
Operating Temperature	0 – 50 °C	-10 – 60 °C

### Notes:

1. NA = Not Applicable.
2. The manufacturer reserves the right to change designs and specifications without notice.