

## EP800H LONG RANG CORDLESS SYSTEM

Digital Long Range Cordless

Cordless HS w/SPK

### EP800H



#### OVERVIEW

- Frequency Band : 863~865MHz
- FSK/ DTMF Caller ID
- Handset Speakerphone
- Multi-Languages Display  
(English · German · Dutch · French ·  
Italian · Spanish · Italian · Polish ·  
Czech · Hungary · Turkish)
- Broadcast
- Full Duplex Intercom

#### Features

##### General feature

- Product Concept : Digital Long Range Cordless, Cordless HS w/SPK, additional handset of EP801/EP802
- Market : CE countries
- Market Segment : Industrial Location
- Frequency Band : 863MHz ~ 865MHz
- RF power : 10mW
- Range : 2Km
- Multi-channel with auto-scan
- Durability
- Compatible with EP802/EP801
- 50 phonebook
- 30 CID memory with Time/Date (FSK & DTMF type)
- CID with call waiting (CIDCW)
- Last 10 calls redial on H/S
- CE compliant

##### Advance feature

- # of Expandable Handset : 9
- Single Color LCD(with white color backlight)
- Intercom/Broadcast between H/S
- Selectable Ring & Page Tone : 8
- H/S with speakerphone function
- H/S with scrolling keys
- Two-way hand-free intercom
- H/ S Custom Name Edit
- LCD and H/S keypad with backlit
- Auto detection of FSK and DTMF CID signal
- Auto change channel during conversation

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**Specificaions**

Electrical Specifications	Portable Handset
Frequency	863-865 MHz
RF Output Power	Peak: 7 dBm Average: 5 dBm
Channel Spacing	50 kHz
Number of Channels	38
Modulation	GMSK
TDD Frame Length	10 ms
Number of Slots/Frame	2
Receiver Sensitivity	<-116dBm (@ BER 10 <sup>-2</sup> )
Antenna Gain	Long: 2.5 dBi Short: 1.5 dBi
Antenna Connector	Proprietary
Telephone Interface	NA
Channel Coding	½ rateConvolutional + CRC
Transmission Data Rate	42.667kbps
Speech Coding	8 kbps G.729A
User Data Rate	32kbps duplex
Duplex	Time Division Duplex (TDD)
Multiple Access	FDMA
Number of System ID	65,536
Ring Signal	NA
Power Source	3.7 V/1100mAh Li-Ion Battery
Charger Current	550mA (550/850 mA for desktop charger)
Operating Temperature	-10 – 60 °C
Regulation Compliance	EN 301 357-2 (RF) EN 301 489 (EMC) EN 60950 (Safety) EN 50371 (RF safety)

**Application**

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