

## EP800 LONG RANG CORDLESS SYSTEM

1-Line    Digital Long Range Cordless    Cordless HS w/SPK

### EP800



#### OVERVIEW

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

#### Features

##### General feature

- Product Concept : 1-Line, Digital Long Range Cordless, Cordless HS w/SPK
- Market : CE countries
- Market Segment : Industrial Location
- Frequency Band : 863MHz ~ 865MHz
- RF power<sub>r</sub> : 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
- # of Expandable Base : 4
- 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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### Specifcaions

Electrical Specifications	Base Station	Portable Handset
Frequency	863 - 865 MHz	863-865 MHz
RF Output Power	Peak: 8 dBm Average: 5 dBm	Peak: 7 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	$\leq -116$ dBm (@ BER $10^{-2}$ )	$< -116$ dBm (@ BER $10^{-2}$ )
Antenna Gain	2 dBi	Long: 2.5 dBi Short: 1.5 dBi
Antenna Connector	TNC	Proprietary
Telephone Interface	RJ11 * 2	NA
Channel Coding	$\frac{1}{2}$ rate Convolutional + CRC	$\frac{1}{2}$ rate Convolutional + CRC
Transmission Data Rate	42.667 kbps	42.667kbps
Speech Coding	8 kbps G.729A	8 kbps G.729A
User Data Rate	32 kbps 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, 30-90 Vrms	NA
Power Source	100-900 ms programmable	3.7 V/1100mAh Li-Ion Battery
Charger Current	NA	550mA (550/850 mA for desktop charger)
Operating Temperature	0 - 50 °C	-10 - 60 °C
Regulation Compliance	EN 301 357-2 (RF) EN 301 489 (EMC) EN 60950 (Safety)	EN 301 357-2 (RF) EN 301 489 (EMC) EN 60950 (Safety) EN 50371 (RF safety)

## EP800 LONG RANG CORDLESS SYSTEM

1-Line

Digital Long Range Cordless

Cordless HS w/SPK

### Application



EP800



Option A  
EP801H



Option B  
EP800H



Option C  
EP802H



Available at:

**JIA YING TRADING PTE LTD**

1 Rochor Canal Road #02-67/69/34-37 Sim Lim Square, Singapore 188504

Tel: 63360404 Fax: 63380404 [www.jiaying.com](http://www.jiaying.com) | [jiaying@singnet.com.sg](mailto:jiaying@singnet.com.sg) | [email@jiaying.com](mailto:email@jiaying.com)