

## 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<br>Average: 5 dBm                              | Peak: 7 dBm<br>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<br>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<br>Li-Ion Battery  |
| Charger Current           | NA   | 550mA<br>(550/850 mA for desktop charger)  |
| Operating Temperature     | 0 - 50 °C  | -10 - 60 °C  |
| Regulation Compliance     | EN 301 357-2 (RF)<br>EN 301 489 (EMC)<br>EN 60950 (Safety) | EN 301 357-2 (RF)<br>EN 301 489 (EMC)<br>EN 60950 (Safety)<br>EN 50371 (RF safety) |

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### Application



EP800



Option A  
EP801H



Option B  
EP800H



Option C  
EP802H

