

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 : 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

EP800

LONG RANG CORDLESS SYSTEM

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

Specifications

| 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 | ≤ -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 | 42.667 kbps |
| Speech Coding | 8 kbps G.729A | 8 kbps G.729A |
| User Data Rate | 32 kbps duplex | 32 kbps 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 | 3.7 V/1100mAh |
| | programmable | 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 301 357-2 (RF) |
| | EN 301 489 (EMC) | EN 301 489 (EMC) |
| | EN 60950 (Safety) | EN 60950 (Safety) |
| | | EN 50371 (RF safety) |

EP800 LONG RANG CORDLESS SYSTEM

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

Application

