

# EP800H

## Industrial Long Range Cordless System



### Overview

**EP800H**, Industrial Cordless offer durability and coverage with various levels of phone system functionality.

Their feature of broadcast, 2-way radio, single-line access, and wide coverage area makes it ideal for large warehouses, retail stores and outdoor facilities like auto dealerships, nursery and Campuses. The robust design also ensures durability and makes it one of the most long lasting Industrial cordless.

EP800H eliminates the need for users to carry a separate two-way radio unit, where user can contact just one person or broadcast a message like a traditional radio system to all or a specific group of users. EP800H is a best upgrade and option from EP802 and EP801 handsets, where usage is in a harsh environment or weather.

### 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

EP800H Datasheet Version 020911

\*\* Specifications subject to change prior notice. This product is only recommend to be used under authorized approvals and certification of the local authorities.

\*\* All specifications are subject to change without notice

TELEPHONY PRODUCTS

## EP800H

• 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	
• FSK/ DTMF Caller ID	
• Handset Speakerphone	
• Multi-Languages Display (English · German · Dutch · French · Italian · Spanish · Italian · Polish · Czech · Hungary · Turkish)	
• Broadcast	
• Full Duplex Intercom	
<b>Advance Features</b>	
• # 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	
Application	

Specifications	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 rate Convolutional + 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)	