



Long Range Cordless System

The EnGenius EP802 is a long range cordless system. The EnGenius EP802 has a sleek design and a trusted technology. Due to the license free frequency band (863MHz-865MHz), you do not suffer from interference from Wi-Fi networks in the area. This makes the EnGenius EP802 ideal for large company buildings, premises or for the agricultural sector, but also suitable for home use. The EnGenius makes it possible to make calls over the fixed-line with a range up to 2 km.

Key Features

- + Entry 1-line digital long range
- + Range up to 2 km
- + Multiple headset & bases installation
- + Independent broadcast & intercom
- + CE Certificate
- + 2-way Intercom
- + External handset/base antenna
- + Built-in 2.5mm headset jack
- + Inter operatable with previous EP801



	Base station	Portable handset
Frequency	863~865MHz	863~865MHz
RF Output Power	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	<- 116dBm (@ BER10-2)	<- 116dBm (@ BER10-2)
Antenna gain	2 dBi	1,5 dBi
Antenna connector	TNC	Proprietary
Telephone interface	RJ11 x 2	NA
Channel coding	½ rate Convolutional + CRC	½ rate Convolutional + CRC
Transmission Data Rate	42.667kbps	42.667kbps
Speech coding	8 kbps G.729A	8 kbps G.729A
User data Rate	32kbps duplex	32kbps duplex
Duplex	Time Division Duplex (TDD)	Time Division Duplex (TDD)
Multiplex access	FDMA	FDMA
Number of System ID	65536	65536
Ring signal	20-50 Hz	12-90 Vrms NA
Power Source	AC/DC 12V/1A Adapter	3.7V/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) EN301 489 (EMC) EN60950 (Safety)	EN 301 357-2 (RF) EN301 489 (EMC) EN60950 (Safety) EN 50371 (RF Safety)