EnGenius®

SN902
900MHz 1-Line Digital Long Range Cordless

900MHz   1-Line   Digital Long Range Cordless

- 1-Line Digital Long Range Cordless
- Range up to 5km
- Rugged design for industrial
- Multiple handsets & bases installation
- Independent broadcast & intercom
- FCC certificate

Features

- Long range WPBX
- Frequency band: 902~928MHz
- 2-way radio - Independent of the base unit, talk and listen at the same time, no group chatter, no push to talk, private
- Broadcasting - direct announcement to all handsets, or a group of handsets
- Expandable system - grows with your business, up to 4 lines (1 line per base unite) and 36 handsets
- Call manager - program your handsets by individual base unit to receive all calls or just transferred calls
- Handset speakerphone
- Audio-in jack for music/sales message on hold
- High capacity Li-ion battery – 8 hours talk time and 50 hours standby time
- One year limited warranty
- Change battery while call is on hold
- Vibration mode
- 4 line illuminated LCD
- Caller ID with call waiting – stores 30 calls
- Frequency hopping security – 200 times per second
- Digital privacy and clarity
- Call transfer – announced or unannounced
- Key guard – prevents accidental dialing
- Call timer
- 30 names / number speed dial directory

All specifications are subject to change without notice.

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- Auto power management
- Call hold
- Mute / flash / last number redial
- Receive signal strength indicator
- 6 level volume control
- Touch any key to answer
- User-defined long distance dialing prefix
- 2-level keytone volume
- Low battery alarm and display
- 4-selectable keytones
- Hearing aid compatible
- 2 handset antennas included – short one for convenience, long one for maximum range
- Built-in 2.5mm headset jack
- Optional outdoor antenna – sold separately
- Programmable PBX option key

Specifications		
Electrical Specifications	Base station	Handset
Frequency	902-928MHz	902-928MHz
RF Power	Peak: 708mW Average:304mW	Peak: 708mW Average: 76mW
Channel Spacing	200 kHz	200 kHz
Number of Channels	128	128
Modulation	GMSK	GMSK
Multiple Access	Frequency Hopping TDD	Frequency Hopping TDD
Frequency Hopping Rate	100 per second	100 per second
TDMA Frame Length	10 ms	10 ms
Number of Slots/Frame	4	4
Receiver Sensitivity	<-108 dBm(@BER 0.01)	<-108 dBm(@BER 0.01)
Antenna Connector	Reverse TNC	Non-standard
Antenna Gain	2 dBi 5 dBi External (optional)	0.5 dBi (short antenna) 2 dBi (long antenna)
TX Power Control Range	NA	100-78 mW

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Telephone Interface	RJ11x2	NA
Speech Coding	8 kbps G.729A	8 kbps G.729A
Channel Coding	8 kbps Convolutional+CRC	8 kbps Convolutional+CRC
Transmission Data Rate	170.678 kbps	176.678 kbps
User Data Rate	128 kbps duplex	128 kbps duplex
Duplex	Time Division Duplex (TDD)	Time Division Duplex (TDD)
Voice Quality	TIA/EIA-470B	TIA/EIA-470B
No. of System ID	65,536	65,536
Ring Signal	20-50 Hz, 12-90 Vrms	NA
Flash Time	100-900 ms programmable	NA
Power Source	120V/12V AC/DC Adapter	3.6V 1700mAh Li-ion Battery
Charger Current	NA	600 mAh (900mAh for spare battery slot)
Charger Time	NA	4 Hours (from empty)
Regulation Compliance	FCC Part 15, Part 68 CAN/DOC RSS210, CS03	FCC Part 15, Part 68 CAN/DOC RSS210, CS03 Hearing Aid Compatible
Operating Temperature	-10~60C	-10~60C
Storage Temperature	-10~70C	-10~70C
Humidity	20~75%	20~75%
Dimension with Antenna	161Wx42Dx188H (mm)	58Wx31Dx161H (mm)
Weight	424g	175g