# EnGenius®

# SN901
## Durafon

## SN902HC with SN901 Base
### INDUSTRIAL LONG RANGE CORDLESS PHONE SYSTEM

## OVERVIEW

Frequency Band   915-928 MHz

FSK/ DTMF Caller ID

Handset Speakerphone

Broadcast Function

Full Duplex Intercom

Secure Private Conversation

SN901 Base + SN902HC .

## Features

- Product Concept   1-Line, Digital Long Range Cordless, Cordless Handset with Speaker-phone
- Market   Australia
- Market Segment   Industrial Location
- Frequency Band   915MHz ~ 928MHz
- Flash time 100-900 m/secs programmable
- Range: Up to 10Km line of sight
- Frequency hopping SST
- Durability
- Compatible with SP922FH
- 50 entry phonebook
- 30 CID memory with Time/Date (FSK & DTMF  type)
- CID with call waiting  (CIDCW)
- Last 10 calls redial on  handset
- Find handset page feature.
- ACMA compliant

## Advanced Features

- Number of Expandable Handsets  9
- Number of Expandable Bases  4
- Single Color LCD (with white  backlight)
- Intercom/Broadcast between  handsets
- Selectable Ring & Page Tones  8
- Handset with speaker-phone  function
- Handset with scrolling  keys
- Two-way hands-free  intercom
- Handset Custom Name  Editable
- LCD and handset with backlit keypad
- Auto detection of FSK and DTMF CID  signal

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## Specifications

| Electrical Specifications | Base Station | Portable Handset |
|---|---|---|
| Frequency | 915-928 MHz | 915-928 MHz |
| RF Output Power | Peak: 708 mW<br>Average: 76 mW | Peak: 708 mW<br>Average: 76 mW |
| Channel Spacing | 50 kHz | 50 kHz |
| Number of Channels | 64 | 64 |
| Modulation | MSK | MSK |
| TDMA Frame Length | 10 ms | 10 ms |
| Number of Slots/Frame | 4 | 4 |
| Receiver Sensitivity | $\leq$ -116 dBm (@ BER $10^{-2}$) | <-116dBm (@ BER $10^{-2}$) |
| Antenna Gain | 2 dBi<br>5 dBi External (optional) | Long: 2.5 dBi<br>Short: 1.5 dBi |
| Antenna Connector | TNC reverse | Proprietary |
| Telephone Interface | RJ11 * 2 | N/A |
| Channel Coding | 8 kbps Convolutional + CRC | 8 kbps Convolutional + CRC |
| Transmission Data Rate | 176.678 kbps | 176.678 kbps |
| Speech Coding | 8 kbps G.729A | 8 kbps G.729A |
| User Data Rate | 128 kbps duplex | 128 kbps duplex |
| Duplex | Time Division Duplex (TDD) | Time Division Duplex (TDD) |
| Multiple Access | Freq. hopping TDD | Freq. hopping TDD |
| Number of System ID | 65,535 | 65,535 |
| Ring Signal | 20-50 Hz, 30-90 Vrms | N/A |
| Power Source | 240v/5v-1amp. | 3.7 V/1100mAh Li-Ion Battery |
| Charger Current | NA | 550mA (550/850 mA for desktop charger) |
| Operating Temperature | 0 – 50 °C | -10 – 60 °C |

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