

# SP-922 PRO

## 900MHz 4-Line Long Range Cordless System

900MHz

4-Line

Digital Long Range Cordless



- Digital long range cordless
- 900MHz ISM band
- 4-line/port system
- Multi-base capacity
- High coverage
- 2-Way intercom
- Broadcast

### Features

- Long range-up to 12 floors in building penetration; 250,000 sq. feet in manufacturing
- Frequency band: 902~928MHz
- Multi-base (Up to 8 bases)
- 2-way radio - Independent of the base unit, talk and listen at the same time, no group chatter, no push to talk, private
- Rugged housing with durable design
- Broadcasting - direct announcement to all handsets, or a group of handsets
- Line Broadcast - Broadcast through L3 or L4
- Base Select
- Walkie-Talkie handset (SP-922W)
- Expandable system - grows with your business, up to 4 bases (4 line per base unite) and 90 handsets
- Works off analog CO lines or behind PBX off analog ports
- Programmable PBX option key
- Auto Attendant
- 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
- Battery hot swapping permits changing 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



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- Digital spread spectrum (DSS) technology for privacy and clarity
- Call transfer – announced or unannounced
- Key guard – prevents accidental dialing
- Call timer
- 90 names / number speed dial directory
- Auto power management
- Call hold
- Mute / flash / last number redial
- 6 level volume control
- User-defined long distance dialing prefix
- Low battery alarm and display
- 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

Specifications		
Electrical Specifications	Base Unit	Portable Handset
Frequency	902-928 MHz	902-928 MHz
RF Power	Peak: 708 mW Average: 304 mW	Peak: 708 mW Average: 76 mW
Channel Spacing	200 kHz	200 kHz
Number of Channels	128	128
Modulation	MSK	MSK
Multiple Access	Frequency Hopping TDMA	Frequency Hopping TDMA
Frequency Hopping Rate	100 per second	100 per second
TDMA Frame Length	10 ms	10 ms
Number of Slots/Frame	8	8
Number of Users/Carrier	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)	2 dBi (Long) 0.5 dBi (short)

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TX Power Control Range	NA	100-708 mW
Telephone Interface	RJ11x4	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	170.678 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
Auto-Attendant Coding	8 kbps G.729	8 kbps G.729
Flash Time	100-900 ms programmable	NA
Power Source	120V/7V AC/DC Adapter	3.6V, 1700mAh Li-ion Battery
Charger Current	NA	500 mA
Charge Time	NA	4 hours (from empty)
Regulation Compliance	FCC Part 15, Part 68	FCC Part 15, Part 68
Operating Temperature	-10~60C	-10~60C
Storage Temperature	-10~70C	-10~70C
Humidity	20~75%	20~75%
Dimension without antenna	215Dx53Hx280W mm 11.0"x2.1"x8.5"	58Wx31Dx161H mm
Weight	32 ounces	6.17 ounces

