



SunTelecom ST900

The SunTelecom ST900 provides 2Way interactive communication in a small, easy to use package

- ▶ Small and lightweight: 3.35 x 2.31 x 1.02 inches and weighs less than 4 ounces.
- ▶ Address book holds up to 250 contacts.
- ▶ Rechargeable battery (charger included) lasts up to 7 days on one charge.
- ▶ Quiet mode quickly silences alerts.
- ▶ Choice of alerts including vibrate, choice of audio, or on-screen.
- ▶ Reminder alerts and alarm clock with snooze.
- ▶ Optional serial PC connection allows you to backup and restore addresses to and from your PC.
- ▶ Optional secure messaging features make the ST900 suitable for sensitive communications.

Performance Specifications

RECEIVER	
Frequency Range	929 ~ 932 MHz and 935 ~ 942 MHz
Channel Spacing	6.25, 10, and 12.5 kHz
Bit Rates	1600, 3200, 6400 bps
Modulation	± 800 Hz and ± 2400 Hz and 4 level FSK
Forward Channel Radiation Sensitivity	-92 dBm @ 6400 pbs (by TC-5060)
Forward Channel Frequency Accuracy	± 10 E -6 (one part per million)
FM Adjacent Channel Rejection @ 10.0 kHz	> 30 dB
FM Adjacent Channel Rejection @ 12.5 kHz	> 42 dB
FM Adjacent Channel Rejection @ 25.0 kHz	> 50 dB
FM Co-Channel Rejection by RF Level	< -12 db at sensitivity + 3 db < -10 db at sensitivity + 6 db < -8 db at sensitivity + 10 db
FM Spurious Response Rejection	> 50 dB
IF Image Rejection	40 dB
Simulcast Delay Spread Tolerance	> ¼ Symbol width at 6 dB above sensitivity and 15 dB C/I > ¼ Symbol width at 9 dB above sensitivity and 10 dB C/I The 'interferer' has a frequency offset of 30 Hz
Spurious emissions	Meets narrowband PC FCC specifications

TRANSMITTER	
Frequency Range	896 ~ 902 MHz
Channel Spacing	12.5 kHz in 6.25 kHz steps
Bit Rates	800, 1600, 6400, 9600 bps
Frequency Stability	1 ppm
Modulation	FSK ± 800 and ± 2.4 kHz
Signaling	4 level FSK
Frequency Deviation	± 800 Hz and ± 2400 Hz for 4 level
Emissions	Meets Narrowband PCS FCC specs
Power into Antenna	1W
Frequency	Synthesized
GENERAL	
Code Format	ReFLEX™
Size	3.35" x 2.31" x 1.02" (85 x 58.7 x 25.9 mm)
Battery	Rechargeable Li-Ion 3.7V (1Cell), 780 ~ 900 mAh
Battery Life	Up to 7 days on one charge
Weight with Battery	Under 4 ounces
Memory	512 kB
Display	<ul style="list-style-type: none"> • 6 lines by 20 characters • Optimax™ holographic technology • EL Backlighting
Keypad	Qwerty layout with EL Backlighting
Operating Temperature	32° to 132° F (0° to 55° C)