

FreeStyl1 1-Line Long Range Cordless Phone



FreeStyl 1 Technical Specifications

Electrical Specifications	Base Station	Portable Handset
Frequency	902-928 MHz	902-928 MHz
RF Power	Peak: 398 mW Average: 182 mW	Peak: 398 mW Average: 182 mW
Channel Spacing	50 kHz	50 kHz
Number of Channels	512	512
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	2	2
Receiver Sensitivity	TBD < (-108 dBm) (@ BER 10 ⁻²)	TBD < -108 dBm (@ BER 10 ⁻²)
Antenna Connector	Reverse TNC	No Support
Antenna Gain	2 dBi 5 dBi External (optional)	2.5dBi
TX Power Control Range	NA	100,500 mW
Telephone Interface	RJ11 x 2	NA
Speech Coding	8 kbps G.729A	8 kbps G.729A
Channel Coding	8 kbps Convolutional + CRC	8 kbps Convolutional + CRC
Transmission Data Rate	42.667 kbps	42.667 kbps
User Data Rate	32 kbps duplex	32 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	3.6 V, 1700 mAh Li-ion Battery (optional) 3.6V, 1130mAh
Charger Current	NA	550 mA
Charge 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 – 60 °C	-10 – 60 °C
Storage Temperature	-10 – 70 °C	-10 – 70 °C
Humidity	20 – 75 %	20 – 75 %
Dimension with antenna	TBD mm	TBD mm
Weight	TBD g	TBD g

Notes:

1. NA = Not Applicable.
2. The manufacturer reserves the right to change designs and specifications without notice.