

DuraFon™ Pro – Technical Specifications

Electrical Specs	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	Freq. Hopping TDMA	Freq. Hopping TDMA
Freq. Hopping Rate	100 per second	100 per second
TDMA Frame Length	10 ms	10 ms
Number of Slots / Frames	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)
TX Power Control Range	N/A	100- 708 mW
Telephone Interface	RJ11 x 4	N/A
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
Number of System ID	65,536	65,536
Ring Signal	20-50 Hz, 12-90 Vrms	N/A
Auto-Attendant Coding	8 kbps G.729	8 kbps G.729
Flash Time	100 - 900 ms Programmable	N/A
Power Source	120V/7V AC/ DC Adapter	3.6V, 1700 mAh Li-Ion Battery
Charger Current	N/A	500 mA
Charge Time	N/A	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 (14 - 140° F)	-10 - 60° C (14 - 140° F)
Storage Temperature	-10 - 70° C (14 - 158° F)	-10 - 70° C (14 - 158° F)
Humidity	20 - 75%	20 - 75%
Dimension without Antenna	215D x 53H x 280W mm 11.0" x 2.1" x 8.5"	58D x 31H x 161W mm 2.3" x 1.2" x 6.3"
Weight	32 Ounces (907g)	6.17 Ounces (175g)

Specifications may change without notice.



Applications in Depth

Retail/Grocery stores: The PRO system can be used to increase customer satisfaction, employee efficiency, and store safety and security by the ability to take and transfer calls, two-way radio for information, and broadcast important information or requests.

Warehouses: Using a combination of PRO handsets and DuraWalkies, managers can make and take calls while being able to two-way other staff from a single unit. The durability of the PRO and DuraWalkie handsets means they can meet the demands of a warehouse or manufacturing environment.

Auto Dealerships: Service advisors, sales and parts staff and dealership management can greatly reduce cellular telephone bills without sacrificing sales communications or customer service.

Assisted Living: The PRO's range makes it possible for staff to be mobile throughout the facility assisting residence while being available for internal or external calls.

DuraFon™
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