

# DuraFon™ Pro —

## Long Range, Industrial Cordless Phone Systems™



### DuraFon PRO Feature Set

#### LONG-RANGE

Up to:

- 12 floors in building
- 250,000 sq. ft. in a warehouse
- 3,000 acres on a farm or ranch

#### DURABLE

- Tested to withstand 6 foot drops, 54 times on to concrete floors

#### EXPANDABLE

- 4 – 32 ports / lines
- 1 – 90 handsets (PRO/DuraWalkie)
- Up to 8 base units

#### HANDSET-PRO

- Telephone
- 2-way radio
- User handset naming
- Keypad lock
- Speakerphone
- Caller ID
- Call waiting
- Vibrate mode
- Line Select
- 2.5mm headset jack
- Call Logs – Dialed and Received
- Redial
- Speed dial
- Call hold
- Call transfer

- Wireless PBX function sharing
- Wireless phonebook sharing
- Silent ring
- Mute
- 900 Mhz, DSS, Frequency Hopping
- Selectable handset grouping (7 groups)
- User programmable PBX functions
- Phonebook 90 entry
- Intercom (handset-to-handset), no group chatter
- Broadcast (Push-to-Talk)

#### OPTIONAL EQUIPMENT

- External base antennas: 30' or 60' low-loss LMR-400L cable
- Lightning protection kit
- Antenna splitter
- DuraPouch
- DuraWalkie (2-way radio only) handsets

#### HANDSET-DURAWALKIE (OPTION)

- 2-way radio only
- User handset naming
- Keypad lock
- Intercom (handset-to-handset), no group chatter
- Broadcast (Push-to-Talk)
- Receives PRO handset transferred phone calls
- Vibrate mode
- Silent ring
- 2.5mm headset jack

- Mute
- 900 Mhz, DSS, Frequency Hopping
- Speed dial 2-way directory

#### BATTERY & CHARGER

- Li-Ion technology
- 6 hrs talk-time
- 50 hrs stand-by time
- Handset & spare battery charging slots
- 4 hr recharge time
- Battery hot-swap while call onhold

#### SYSTEM

- 4 analog ports per base unit
- Up to 8 base units (32 ports)
- Removable base antenna
- Flexible port dedication: Single, group or all
- Broadcast port
- Any analog line connection: Landline, ATA, cellular, VoIP or satellite
- Supports ring groups & hunt groups
- Auto attendant
- Conference calling
- Modifiable flash and DTMF tone timing
- Secure, digital spread spectrum w/ freq. hopping technology

#### IMPORTANT INFO

- 1 year system and handset warranty, if sold by Authorized Reseller
- FCC certified
- Meets HIPPA compliancy
- No monthly bill (like cellular)
- No per minute charges (like cellular)
- No contracts (like cellular)
- No annual FCC license fees (like 2-way radios)
- No extensive infrastructure installation (like wireless networking, wifi phones)
- No QoS concerns
- No wireless network interference
- Secure

#### MANUFACTURER'S PART NUMBER

DuraFon PRO  
DuraFon PRO-HC  
DuraWalkie



# DuraFon™

EnGenius®

## 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.



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## 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.