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)

**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

**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

ETI—Brands that communicate* www.engeniustech.com
# DuraFon™ Pro — Technical Specifications

<table>
<thead>
<tr>
<th>Electrical Specs</th>
<th>Base Unit</th>
<th>Portable Handset</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Frequency</strong></td>
<td>902 - 928 MHz</td>
<td>902 - 928 MHz</td>
</tr>
<tr>
<td><strong>RF Power</strong></td>
<td>Peak: 708 mW</td>
<td>Peak: 708 mW</td>
</tr>
<tr>
<td></td>
<td>Average: 304 mW</td>
<td>Average: 76 mW</td>
</tr>
<tr>
<td><strong>Channel Spacing</strong></td>
<td>200 kHz</td>
<td>200 kHz</td>
</tr>
<tr>
<td><strong>Number of Channels</strong></td>
<td>128</td>
<td>128</td>
</tr>
<tr>
<td><strong>Modulation</strong></td>
<td>MSK</td>
<td>MSK</td>
</tr>
<tr>
<td><strong>Multiple Access</strong></td>
<td>Freq. Hopping TDMA</td>
<td>Freq. Hopping TDMA</td>
</tr>
<tr>
<td><strong>Freq. Hopping Rate</strong></td>
<td>100 per second</td>
<td>100 per second</td>
</tr>
<tr>
<td><strong>TDMA Frame Length</strong></td>
<td>10 ms</td>
<td>10 ms</td>
</tr>
<tr>
<td><strong>Number of Slots / Frames</strong></td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td><strong>Number of Users / Carrier</strong></td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td><strong>Receiver Sensitivity</strong></td>
<td>&lt; -108 dBm (@ BER 0.01)</td>
<td>&lt; -108 dBm (@ BER 0.01)</td>
</tr>
<tr>
<td><strong>Antenna Connector</strong></td>
<td>Reverse TNC</td>
<td>Non-standard</td>
</tr>
<tr>
<td><strong>Antenna Gain</strong></td>
<td>2 dBi</td>
<td>2 dBi (Long)</td>
</tr>
<tr>
<td></td>
<td>5 dBi External (Optional)</td>
<td>0.5 dBi (Short)</td>
</tr>
<tr>
<td><strong>TX Power Control Range</strong></td>
<td>N/A</td>
<td>100 - 708 mW</td>
</tr>
<tr>
<td><strong>Telephone Interface</strong></td>
<td>RJ11 x 4</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Speech Coding</strong></td>
<td>8 kbps G.729A</td>
<td>8 kbps G.729A</td>
</tr>
<tr>
<td><strong>Channel Coding</strong></td>
<td>8 kbps Convolutional + CRC</td>
<td>8 kbps Convolutional + CRC</td>
</tr>
<tr>
<td><strong>Transmission Data Rate</strong></td>
<td>170.678 kbps</td>
<td>176.678 kbps</td>
</tr>
<tr>
<td><strong>User Data Rate</strong></td>
<td>128 kbps duplex</td>
<td>128 kbps duplex</td>
</tr>
<tr>
<td><strong>Duplex</strong></td>
<td>Time Division Duplex (TDD)</td>
<td>Time Division Duplex (TDD)</td>
</tr>
<tr>
<td><strong>Voice Quality</strong></td>
<td>TIA / EIA -470B</td>
<td>TIA / EIA -470B</td>
</tr>
<tr>
<td><strong>Number of System ID</strong></td>
<td>65,536</td>
<td>65,536</td>
</tr>
<tr>
<td><strong>Ring Signal</strong></td>
<td>20-50 Hz, 12-90 Vrms</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Auto-Attendant Coding</strong></td>
<td>8 kbps G.729</td>
<td>8 kbps G.729</td>
</tr>
<tr>
<td><strong>Flash Time</strong></td>
<td>100 - 900 ms Programmable</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Power Source</strong></td>
<td>120V/7V AC/ DC Adapter</td>
<td>3.6V, 1700 mAh Li-Ion Battery</td>
</tr>
<tr>
<td><strong>Charger Current</strong></td>
<td>N/A</td>
<td>500 mA</td>
</tr>
<tr>
<td><strong>Charge Time</strong></td>
<td>N/A</td>
<td>4 Hours (from empty)</td>
</tr>
<tr>
<td><strong>Regulation Compliance</strong></td>
<td>FCC Part 15, Part 68, CAN/DOC R55210, CS03</td>
<td>FCC Part 15, Part 68, CAN/DOC R55210, CS03</td>
</tr>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>-10 - 60°C (14 - 140°F)</td>
<td>-10 - 60°C (14 - 140°F)</td>
</tr>
<tr>
<td><strong>Storage Temperature</strong></td>
<td>-10 - 70°C (14 - 158°F)</td>
<td>-10 - 70°C (14 - 158°F)</td>
</tr>
<tr>
<td><strong>Humidity</strong></td>
<td>20 - 75%</td>
<td>20 - 75%</td>
</tr>
<tr>
<td><strong>Dimension without Antenna</strong></td>
<td>215D x 53H x 280W mm</td>
<td>580 x 31H x 161W mm</td>
</tr>
<tr>
<td></td>
<td>11.0” x 2.1” x 8.5”</td>
<td>2.3” x 1.2” x 6.3”</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>32 Ounces (907g)</td>
<td>6.17 Ounces (175g)</td>
</tr>
</tbody>
</table>

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.