

# Dolphin 9900ni

## Non-Incendive Mobile Computer

Dolphin® 9900ni mobile computers are UL certified to be non-incendive, ensuring safe operation in hazardous industries including chemical, oil and gas, life sciences and utilities. These robust mobile data collection and communication solutions combine a rugged, user-friendly design with a complete suite of technologies to enable maximum mobile user productivity, efficiency and safety.

Seamless connectivity between mobile workers and the enterprise is enabled through integrated wireless WAN and LAN communications for high-speed data transfer and cellular voice communication—anytime, anywhere. Bluetooth® connectivity to any compatible wireless device broadens the mobile worker's capabilities in the field.

Integrated GPS technology enables location-based functionality, such as the ability to document service with a time and location stamp or locate the position of a specific component within a larger system.

Adaptus® Imaging Technology 5.0 allows workers to capture data quickly and efficiently—from scanning an identifying bar code during operator rounds to taking a picture of equipment that needs repair.

Just as important as the technologies the user puts to work, an innovative power management system ensures battery life that lasts a full work-shift, even in wireless, scan-intensive environments.

Rugged, ergonomic and full-featured, the Dolphin 9900ni is the right choice for use in hazardous locations where real-time information processing and solution reliability is critical to a company's operation.



## Features

- **Designed For Use in Hazardous Locations:** Certified for use in specified hazardous locations by UL (Class I, Division 2), ensuring worker safety
- **Optimal Combination of Industrial-Grade Durability and Usability:** Internal magnesium-alloy roll cage, environmentally sealed housing and specialized wear-resistant components deliver reliability in demanding mobile environments, while an ergonomic design provides comfortable and intuitive use
- **Wireless Full Area Networking™ (WFAN):** Integrated multi-mode wireless technology includes GSM/E-GPRS and 802.11b/g for real-time data exchange and voice communications on-site or off, plus Bluetooth for efficient wireless connection to peripheral devices
- **Built-In GPS Technology:** Increases effectiveness of mobile workers by enabling location-based applications
- **Versatile, High Performance Data Collection:** Adaptus® Imaging Technology 5.0 reads linear and 2D bar codes, captures digital images, and enables electronic signature capture—enabling workers to do more with a single device
- **Shift-PLUS™ Power Management:** Powers scan intensive, real-time wireless applications continuously for 10 hours or more, enhancing productivity while greatly extending useful battery life and reducing replacement costs
- **Windows Mobile® 6.1:** Industry-standard platform for developers and users ensures ease of integration and intuitive use

# Dolphin 9900ni Technical Specifications

## Mechanical/Environmental

<b>Dimensions</b>	3.4" (8.6 cm) x 9.6" (24 cm) x 2.1" (5.3 cm)
<b>Weight</b>	21.4 oz (606 g)
<b>Temperature</b>	Operating: 14° to 122°F (-10°C to 50°C); can operate down to -20°C with potential degradation in performance depending on the application; Storage: -4° to 158°F (-20° to 70°C)
<b>Humidity</b>	95% humidity, non-condensing
<b>Drop</b>	Withstands multiple 5' (1.5m) drops onto concrete.
<b>Tumble</b>	Exceeds 2000 3' (1m) tumbles
<b>ESD</b>	15 KV Air & 8 KV Contact
<b>Environmental Sealing</b>	Independently certified to meet IP65 standards for moisture and particle resistance
<b>Hazardous Location</b>	UL: Class I Division 2, A, B, C, D; Class II Division 2, G; Class III Division 2

## System Architecture

<b>Processor</b>	Intel XScale PXA270 624 MHz
<b>Operating System</b>	Windows Mobile 6.1
<b>Memory</b>	256MB RAM X 1GB Flash
<b>Display</b>	3.5 in. 1/4 VGA (240 x 320 portrait mode) color TFT LCD display with industrial-grade, polycarbonate touch panel
<b>Keypad</b>	Three hard-top keyboard options: 35-key numeric-shifted alpha, 43-key alpha-shifted numeric, and 56-key full alpha/numeric
<b>Audio</b>	Two on-board speakers, microphone and standard 2.5mm headset jack
<b>I/O Ports</b>	Industrial I/O connector supports USB 1.1 and serial RS-232 (115 Kbps) communication and charges via cradles, AC adapter cables, Integrated IrDA port, Integrated audio jack that acts as a speaker and a microphone
<b>Third Party Software</b>	SOTI MobiControl (remote device management), PowerNet™ Terminal Emulation (TNVT, 3270, 5250), and ITScriptNet™
<b>Battery</b>	14.8 Wh Extended-life, Li-ion battery pack with hot-swappable design for fast replacement in the field
<b>Imager/Scanner</b>	5300 Standard Range with High-Vis laser aimer, 5100 Standard Range & 5100 Smart Focus with green aimer. Caution - use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
<b>Storage Expansion</b>	User-accessible Secure Digital memory interface supports memory cards up to 4GB and SDIO
<b>Laser Engines</b>	High Performance, Long Range, Advanced Long Range
<b>Development Environment</b>	Honeywell SDK for Windows Mobile 6.1
<b>Safety</b>	Class 2 laser product, 1.0 mW max output: 650nm Caution - use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
<b>Warranty</b>	2 year factory warranty

## Wireless Connectivity

<b>WWAN</b>	GSM Quad-band (850/900/1800/1900MHz) radio with accessible SIM card interface, GSM release 99, EDGE (E-GPRS) multi-slot Class 12, GPRS multi-slot Class 12
<b>WLAN</b>	IEEE 802.11b/g
<b>WLAN Security</b>	Wi-Fi Certified, WPA2, EAP, CCXv4, WEP, LEAP, TKIP, MD5, EAP-TLS, EAP-TTLS, WPA-PSK, PEAP
<b>WPAN</b>	Bluetooth (Class 2)
<b>GPS</b>	Integrated GPS (Global Positioning System) receiver with internal antenna supporting SiRFstarIII technology

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For a complete listing of all compliance approvals and certifications please visit [www.honeywellaidc.com/compliance](http://www.honeywellaidc.com/compliance)  
For a complete listing of all supported bar code symbologies please visit [www.honeywellaidc.com/symbologies](http://www.honeywellaidc.com/symbologies)



**For more information:**  
[www.honeywellaidc.com](http://www.honeywellaidc.com)

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LASER LIGHT. DO NOT STARE INTO BEAM.  
CLASS 2 LASER PRODUCT  
1.0 mW MAX OUTPUT: 650nm  
IEC 60825-1:1983+A1+A2  
Complies with 21 CFR 1040.10 and 1040.11  
except for deviations pursuant to Laser  
Notice No. 50, dated June 24, 2007.

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Complies with 21 CFR 1040.10 and 1040.11  
except for deviations pursuant to Laser  
Notice No. 50, dated June 24, 2007.  
Scan Rate = 35+/- 5 Scans/Sec.