Dolphin 9900 Series

Mobile Computers

Dolphin® 9900 mobile computers are purpose-built for robust mobile data collection and communication solutions – combining a rugged, user-friendly design with a complete suite of technologies to enable maximum mobile user productivity and efficiency.

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 Global Positioning System (GPS) technology enables location-based functionality such as turn-by-turn navigation, and route optimization, and the ability to document proof of visitation or service with a time and location stamp.

Adaptus® Imaging Technology 5.0 provides workers with the data capture functionality they need to get the job done quickly and efficiently – whether it is scanning a package for delivery confirmation, tracking inventory, electronically capturing a signature for proof of receipt, or taking a picture of damaged goods.

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

Rugged, ergonomic and full-featured, the Dolphin 9900 mobile computer is the right choice where real-time information processing and solution reliability is critical to a company's operation.

Features

- **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:** Enables turn-by-turn navigation, driver route optimization, "bread-crumbing," geo-fencing, and other location-based applications, giving you a powerful tool to enhance the effectiveness of your mobile workforce and improve control over assets in the field

- **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

- **User-Preferred Ergonomic Designs:** The flashlight and pistol-grip form factors facilitate comfortable, single-handed data collection for extended periods of use

Dolphin 9900 Technical Specifications

Mechanical/Environmental

Dimensions	9900: 86 mm x 244 mm x 53 mm (3.4˝ x 9.6˝ x 2.1˝) 9950/9951: 86 mm x 244 mm x 60 mm (3.4˝ x 9.6˝ x 2.4˝) at display, 34 mm (1.3˝) at grip
Weight	9900: 21.4 oz (606 g); 9950: 22.9 oz (649 g); 9951: 23.5 oz (665 g)
Operating Temperature	14° to 122°F (-10°C to 50°C)
Storage Temperature	-4° to 158°F (-20° to 70°C)
Humidity	95% humidity, non-condensing
Drop	Withstands multiple 5´ (1.5 m) drops onto concrete
Tumble	Exceeds 2000 3´ (1 m) tumbles
Environmental Sealing	Independently certified to meet IP65 standards for moisture and particle resistance
ESD	Air: 15 KV; Contact: 8 KV

System Architecture

Processor	Intel XScale PXA270 624 MHz
Operating System	Windows Mobile 6.1
Memory	256MB RAM X 1GB Flash
Display	3.5 in. 1/4 VGA (240 x 320 portrait mode) color TFT LCD display with industrial-grade, polycarbonate touch panel
Keypad	Three hard-top keyboard options: 35-key numeric-shifted alpha, 43-key alpha-shifted numeric, and 56-key full alpha/numeric
Audio	Two on-board speakers, microphone and standard 2.5mm headset jack
I/O Ports	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
Application Software	Honeywell SDK for Windows Mobile 6.1
Third-Party Software	SOTI MobiControl (remote device management), PowerNet™ Terminal Emulation (TNVT, 3270, 5250), and ITScriptNet™
Storage Expansion	User accessible SDHC memory card slot. Please check current price guide for available qualified card options
Battery	14.8 Wh Extended-life, Li-ion battery pack with hot-swappable design for fast replacement in the field
Imager/Scanner	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.
Laser Scan Options	HP (High Performance); LR (Long Range); ALR (Advanced Long Range)
Decode Capabilities	Reads standard 1D and 2D symbologies

Wireless Connectivity

WWAN (9900 only)	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
WLAN	IEEE 802.11b/g
WLAN Security	Wi-Fi Certified, WPA2, EAP, CCXv4, WEP, LEAP, TKIP, MD5, EAP-TLS, EAP-TTLS, WPA-PSK, PEAP
WPAN	Bluetooth (Class 2)
GPS (9900 only)	Integrated GPS (Global Positioning System) receiver with internal antenna supporting SiRFstarIII technology

For a complete listing of all compliance approvals and certifications, please visit www.honeywellaidc.com/compliance
For a complete listing of all supported bar code symbologies, please visit www.honeywellaidc.com/symbologies

LASER LIGHT. DO NOT STARE INTO BEAM
CLASS 2 LASER PRODUCT
1.0 mW MAX OUTPUT: 650nM
IEC 60825-1:1993+A1+A2
Complies with 21 CFR 1040.10 and 1040.11
except for deviations pursuant to Laser
Notice No. 50, dated June 24, 2007.

LASER LIGHT. DO NOT STARE INTO BEAM.
CLASS 2 LASER PRODUCT. 1.0 mW MAX
OUTPUT: 650nM. IEC60825-1:1993+A1+A2
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.

For more information:

www.honeywellaidc.com

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