Dolphin® 7900 Series Mobile Computers

Features

Microsoft® Windows Mobile™ 2003 Second Edition Software – User-friendly, industry-standard platform for both developers and users.

Rugged, IP64 Sealed Construction – Operates in harsh environments, withstands rough treatment, and ensures years of reliable service.

Intel® X-Scale™ 400 MHz Processor – Faster processing of data collection applications and image processing.

Ergonomic Design – Compact, lightweight design facilitates comfortable, single-handed data collection.

Adaptus Imaging Technology – Instant point-and-shoot bar code scanning (1D and 2D), signature and digital image capture.

Wireless Full Area Networking™ – Integrated WAN, LAN, and PAN for real-time data exchange and voice communications to maximize productivity.

High Capacity Lithium Ion Battery with Advanced Power Management System – Longer operation time with wireless communications and scan-intensive applications.

3.8" Backlit Color Display with Industrial Touch Screen – Enhanced data viewing and impact resistance.

Mini Secure Digital (Mini-SD) User-Accessible Memory Interface – Provides the option of installing additional memory for secure application data storage.

25- and 36-Key Keyboard Options – Numeric or full alpha keypad solutions to satisfy your data entry requirements.

The Dolphin 7900 Series mobile computer delivers unparalleled performance and value for mobile data collection applications. Its compact, ergonomic, rugged design provides the ease of use and operational reliability needed to excel in robust mobile applications such as package delivery, field service, route accounting, transportation, warehousing, retail, and industrial/manufacturing.

For maximum speed, efficiency, and usability, the Dolphin 7900 comes equipped with the Intel PXA255 400MHz X-Scale processor and Windows Mobile Second Edition Software. The high performance system architecture is powered by a large capacity, hot-swappable lithium-ion battery pack, enabling the Dolphin 7900 to operate longer in wireless, scan-intensive environments.

To provide seamless data and voice connection between you and your mobile workers, the Dolphin 7900 features an integrated triple-radio design for Wireless Full Area Networking (WFAN). This state-of-the-art feature means the Dolphin terminal can be in constant contact with any compatible wireless device, providing real-time information access anytime, anywhere. This improves operational efficiency and ensures data accuracy and security.

Integrated Adaptus Imaging Technology provides workers with the advanced data capture tools they need to get the job done quickly and efficiently. Whether scanning a package for delivery, performing an inventory cycle count, capturing a signature for proof of receipt, or taking a picture of damaged goods, the Dolphin 7900 extends the capabilities of your mobile applications and workforce while future proofing your investment.

To learn more about how Dolphin 7900 Series mobile computers can work for you, contact us at any of the locations listed on the back or visit us at **www.handheld.com**.

Dolphin 7900 Series Specifications

Bluetooth®

Designed for **Windows Mobile™**

System Architecture

Processor:	Intel X-Scale PXA255 400MHz
Development Environment:	Dolphin SDK Add-on for Pocket PC 2003 - supports Embedded Visual C++ 4.0 Dolphin .NET SDK for Windows Mobile 2003 - supports Visual Studio.NET 2003 (VB.NET and C#.NET) Dolphin GSM/GPRS SDK Add-on for Pocket PC 2003 - supports Embedded Visual C++ 4.0 and Visual Studio.NET 2003
Operating Platform:	Windows Mobile Second Edition Software for Pocket PCs
Third-Party Software:	Support for PowerNet™ Terminal Emulation software (TNVT, 3270, 5250), Java Virtual Machine (JVM) runtime, ITScriptNet®, and App Forge
Memory:	64MB RAM x 64MB non-volatile synchronous Flash standard; optional 128MB RAM high memory
Memory Expansion:	User-accessible Mini Secure Digital (Mini-SD) memory interface; optional 256MB RAM factory-installed

Data Inputs

Imager/Scanner:	IMAGETEAM™ 4300SR (Standard Range) with High-Vis laser aimer brackets, decodes from 2.5 to 12.5 in. (6.3 to 32 cm.) IMAGETEAM™ 4300SF (Smart Focus) with High-Vis laser aimer brackets, decodes from 2.1 to 8.9 in. (5 to 22.6 cm.)
1D Symbologies Read:	Codabar, Code 3 of 9, Code 11, Code 32 Pharmaceutical (PARAF), Code 93, Code 128, EAN with Add-On and EAN with Extended Coupon Code, EAN-13, Interleaved 2 or 5, Matrix 2 of 5, Plessey, PosiCode, RSS, Straight 2 of 5 IATA, Straight 2 of 5 Industrial, Telepen, Trioptic Code, UCC/EAN-128, UPC and UPC-A
2D Symbologies Read:	Aztec, Code 16K, Composite, Data Matrix, MaxiCode, OCR, PDF417, QR Code, RSS
Composite and OCR Codes:	Aztec Mesa, Codablock F, EAN·UCC, RSS-14 and OCR-A and OCR-B
Postal Codes:	Postnet, Australian, British, Canadian, China, Japanese, KIX (Netherlands), and Korea Post, Planet Code
Keyboards:	Two backlit keyboard options with in-mold graphics for indefinite wear resistance: 25-key numeric and 36-key alpha

Data Outputs

Display:	3.8" 1/4 VGA (240 x 320 portrait mode) color TFT LCD display with industrial-grade touch screen
I/O Ports:	Industrial-grade mechanical connector supports communications–USB 1.1, serial RS-232 up to 115Kbps–and charging via cradles or AC adapter cables, IrDA Port-Integrated, Speaker-Integrated, Microphone-Integrated, Headset jack

Wireless Radio Options

WWAN:	GSM/GPRS Tri-band – 850/1800/ 1900 MHz in US, Latin America, and Canada or 900/1800/1900 MHz in Europe, Asia, and Australia
WLAN:	IEEE 802.11b DSSS Authentication Methodologies: WEP, 802.1x, LEAP, TKIP, MD5, TLS, TTLS, PSK, and PEAP
WPAN:	Bluetooth (Version 1.2, Class 2)

Physical

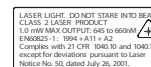|	
Dimensions:	7.3"L x 3. 5"W x 1.7"D max (185 x 89 x 43 mm), 3.2"W x 1.5"D at grip (81 x 38 mm)
Weight:	17 oz. (482 gm) to 19.2 oz (544 gm), configuration dependent
Operating Temperature:	14 to 122°F (-10°C to 50°C); can operate down to -20°C with potential degradation in performance depending on the application
Storage Temperature:	-4° to 158°F (-20° to 70°C)
Humidity:	95% humidity, non-condensing
Electrical Static Discharge:	15 KVA on all surfaces
Impact Resistance:	Withstands multiple 5 ft. (1.5m) drops onto concrete
Environmental Resistance:	Independently certified to meet IP64 standards for moisture and particle resistance
Power:	Lithium-Ion battery technology with a 7.4V, 14.8 watt-hour main battery with hot-swappable design for fast replacement in the field
Other:	Integrated stylus with optional tether and removable hand strap

Peripherals/Accessories

Dolphin HomeBase™	Charging/communications cradle with auxiliary battery well. Data transfer via RS-232 serial or USB ports.
Dolphin Mobile Base™	Mobile charging/communication cradle. Data transfer via RS-232 serial. Power out at 5 volts for peripheral devices.
Dolphin QuadCharger™	Four-slot battery charger that charges four batteries in under four hours. One slot doubles as a battery analyzer.
Dolphin Mobile Charger	Charges a Dolphin terminal by plugging into a vehicle cigarette lighter/power port .
Dolphin NetBase	Four-slot charging/communication cradle designed for Ethernet-based communications.
Dolphin ChargeBase	Four-slot charging cradle–each slot holds, powers, and charges a terminal.
Dolphin Cable Kits	USB or serial cables that charge and communicate with the terminal directly, without a cradle.
Dolphin Mag Stripe Reader	Attachment that reads magnetic stripe information encoded on credit cards, driver's licenses, and personal information cards.

Regulatory Approvals

FCC-CE-Radio Country:	US/Canada, R&TTE

LASER LIGHT. DO NOT STARE INTO BEAM
CLASS 2 LASER PRODUCT
1.0 mW MAX OUTPUT: 645 to 660nM
EN60825-1: 1994 +A11 + A2
Complies with 21 CFR 1040.10 and 1040.11
except for deviations pursuant to Laser
Notice No. 50, dated July 26, 2001.

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