

Dolphin[®] 7400 Mobile Computer

The Dolphin[®] 7400 handheld computer and scanner shares similar single-handed use design with the popular Dolphin[®] 7200 family of handhelds. Central “scan” and “enter” buttons enable use in the left or right hand.

Weighing under 21 oz. (568 gm), the Dolphin 7400 has a rugged design that takes multiple 5-foot (1.5m) drops to concrete and its sealed case resists water and dust. The 7400 also provides a secure hand-shaped grip with integrated elastic hand strap. The 7400 meets varying needs in challenging environments of transportation, logistics, warehousing, delivery and route sales.

The 7400 can be used with sophisticated programs, image-based applications, and touch-screen applications. A state-of-the-art Intel[®] StrongARM[™] 206MHz RISC processor runs 10x faster than 486 class processors to run Windows[®] CE and image-based data collection technology. The Dolphin 7400 can easily be programmed with Microsoft[®] eMbedded[™] Visual Tools that contain CE versions of Visual C++[®] and Visual Basic[®].



Features & Benefits

Patented Ergonomic Design

Modular Platform

User-Friendly Windows CE[™] Architecture

Easy Programming

Three Imager Options

Reads All Popular Bar Codes

1D and 2D symbologies (such as PDF417, MaxiCode, Data Matrix, Vericode) or records digital photos of signatures, damage claims and more in compressed GIF (black and white) or JPEG (gray scale) files. From 2 to 7 Kb.

Large 240 x 320 Pixel 1/4 VGA Display

With electroluminescent backlight, display is easy to view and see in most lighting conditions. Touch-screen option available.

Selection of Peripherals and Accessories

Including desk-top and vehicle charging and communication cradles, multiple battery chargers and holsters.

Industry Standard RS232 Interface

Plug-in external scanners and printers.

9600-115kbps & 4Mbps IrDA Infrared Data Communications Port

For reliable wireless IR communications without mechanical connections to HomeBase[™], VehicleBase[™], or other IrDA devices, like printers.

Dolphin® 7400

System Architecture

Operating System and Software:

Microsoft Windows® CE
Windows architecture programmable with Microsoft® eMbedded™ Visual Tools (contains CE versions of Visual C++® and Visual Basic®)

CPU: Intel® StrongARM™ RISC Processor, 206 MHz

Memory: 16-32 MB RAM, 16-32MB non-volatile FLASH, optional compact FLASH card --up to 192MB

Calendar/Clock: Crystal controlled

Data Inputs

Image Engine Options: LX: scans from 2.0 to 15.0 in. (5.1 to 38.1 cm)

LR: scans from 1.9 to 9.4 in (4.8 to 23.9 cm)

HD: scans from 1.6 to 3.9 in (4.1 to 9.9 cm)

2D Symbologies Read: PDF417, MaxiCode, Data Matrix, Vericode, RSS, EAN.UCC, AZTEC, OCR

1D Symbologies Read: Code 3 of 9, Interleaved 2 of 5, EAN, Codabar, Code 128, Plessey, Code 11, Code 93, UPC

Keyboard: Three keyboard options:
shifted 43-key alphanumeric
35-key numeric/alpha
56-key full alphanumeric keypad

Data Outputs

Display: 240 X 320 ¼ video graphics array (VGA) display screen
Electroluminescent backlight
Touch-screen option available

I/O Ports: RS-232, IrDA

Power: 2700 mAh NiMH battery

Status Indicator Lights: Decode/good scan

Structural

Dimensions: 9.6"L x 3.45"W x 1.9"D at display (24.53 x 8.9 x 4.8 cm), 2.7" W x 1.6 "D at grip (6.9 x 4.0cm)

Weight: 20 oz (568 g) batch base model

Material: Magnesium-alloy top housing and Polycarbonate ABS blend bottom housing; withstands multiple 5 ft. (1.5 m) drops to concrete.

Environmental

Temperature

Operating: -4 to 122°F (-20 to 50°C)

Storage: -22 to 176°F (-30 to 80°C)

Humidity: 95% humidity non-condensing

Structural: Survives multiple 5 ft. (1.5m) drops to concrete; Independently certified to meet IP-64 standards for moisture & particle resistance.

HomeBase® Cradle: Provides charging power to terminal while operational. Data transfer via infrared. Choose 120 V or 240 V AC power adapters.

VehicleBase® Cradle: Provides charging power to terminal while operational. Data transfer via infrared com port. Uses 12V - 24V power.

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Worldwide Offices

Offices Serving North America

Skaneateles Falls, NY
Tel: (315) 685-8945
Fax: (315) 685-3172
Charlotte, NC
Tel: (704) 537-1444
Fax: (704) 532-4191

Offices Serving Europe, Middle East, and Africa

Europe
Tel: Int +31 (0) 40 24 24 486
Fax: Int +31 (0) 40 24 25 672

United Kingdom
Tel: Int +44 (0) 1 925 240055
Fax: Int +44 (0) 1 925 631280

France
Tel: Int +33 (0) 1 461 04111
Fax: Int +33 (0) 1 461 04120

Germany

Tel: Int +49 (0) 7 477 151377
Fax: Int +49 (0) 7 477 151378

Offices Serving Asia and the Pacific Rim

Hong Kong
Tel: Int +852 2511 3050/2511 3132
Fax: Int +852 2511 3557

Japan

Tel: Int +813 52127392
Fax: Int +813 32617372

Offices Serving Latin America

Naples, Florida
Tel: (941) 263-7600
Fax: (941) 263-9689

Web Site Address www.handheld.com

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