Dolphin® 7400 RF Mobile Computer

Dolphin® 7400 RF incorporates a high performance 802.11b direct sequence spread spectrum radio from Cisco Systems® for expandable wireless LAN networking. Using the latest spread spectrum technology, the radio provides an Ethernet-like data rate of up to 11 Mbps. The high speed and throughput enables the wireless transfer of bandwidth-intensive data, such as multimedia streams and large data files, within the enterprise.

Up to 128-bit Wired Equivalent Privacy (WEP) encryption provides a level of data security equal to traditional wired LANs that meets the security requirements of both small businesses and the enterprise.

With support for IBM 3270, IBM 5250 and TNVT terminal emulation, Dolphin® 7400 RF easily integrates quickly into existing applications.

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

Dolphin® 7400 RF works with other 802.11b-compliant products to allow network expansion as needed and can be wirelessly connected to other devices, such as printers and PCs.

Dolphin® 7400 RF power management provides for very low power consumption, to deliver a full-shift of battery life so that workers stay on the move longer.

Features & Benefits

Single-Handed Wireless Data Collection

IQ Imaging™

Three Imager Options

Integrated 802.11b Radio

Direct Sequence Spread-Spectrum Technology

Up to 11Mbps Data Transfer Rates

Up to 128-bit Wired Equivalent Privacy (WEP)

11 Independent Channels

Long Battery Life

Terminal Emulation Capability

Expandable Coverage and Range

Industry Standard Communication Protocol

Operates with Other Third Party Products

RF Data Collection Applications

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®)

RF connectivity software for Local Area Networks systems, terminal emulation and Wireless Wide Area Networks

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

Network Information: LAN RF Version
2.4GHz frequency within IEEE 802.11b industry standards

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:
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: 10.2"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: 25 oz (709 g)

Material: Magnesium-alloy top housing and Polycarbonate ABS blend bottom housing.

Environmental

Temperature

Operating: 14 to 122°F (-10 to 50°C)

Storage: -22 to 176°F (-30 to 80°C)

Humidity: 95% humidity non-condensing

Electrical Static Discharge: 15KV on all surfaces

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

Agency: FCC Class B, CE, EN60950, R&TTE Directive

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.

Worldwide Offices

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