



802.11b-Compliant Dolphin[®] 7200 RF Hand Held Computer

Dolphin 7200 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) provides a level of data security equal to traditional wired LANs that meets the security requirements of both small businesses and the enterprise.

Dolphin 7200 RF supports terminal emulation for IBM 3270, IBM 5250 and DEC VT220, which allows Dolphin to integrate quickly into existing applications.

The terminal's DOS compatible 386 micro-processor is easy to program. You can create wireless applications linked to a host PC, using RF Simplicity[™] and Microsoft[®] Visual Basic[™].

The open standard allows you to upgrade Dolphin 7200 RF without replacing existing wireless LAN networks and data systems. Dolphin 7200 RF works with other 802.11b-compliant products to allow network expansion as needed. It can be connected to other devices, such as printers and PCs via PC-card adapters.

Dolphin 7200 RF power management provides for very low power consumption, to deliver an average of 10 hours of battery life so that workers stay on the move longer.

Features & Benefits

Dolphin[®] Patented Ergonomic Design

Compact shape allows single-handed wireless data collection and fits either hand.

DOS-Compatible 386 Architecture

Applications can be created using 16-bit Microsoft[®] Visual C++ or Borland[®] C/C++.

Integrated 802.11b-Compliant Radio

Direct Sequence Spread-Spectrum technology enables high-speed data transmission up to 11Mbps and provides up to 128-bit WEP encryption. Allows interoperability in multi-vendor environment.

Industry Standard TCP/IP Communication Protocol

Operates with third party products.

Programmable with RF Simplicity[™]

Use Visual Basic 5.0/6.0 to create simple or complex wireless data collection solutions.

Terminal Emulation Capability

Allows simple integration into existing legacy systems.

Three Laser Options

Standard High-Performance, High-Density, or Long-Range available.

2MB RAM with 8MB FLASH Memory

Large data files and programs can be stored in secure, non-volatile memory.

Low Power Consumption

Powered for an entire work shift no matter how intensive.

Reliable, Rugged Design (IP64)

Survives 5-foot drops to concrete. Operates in harsh environments and withstands rough treatment.

Dolphin® 7200 RF- 802.11b Compliant

General

Frequency: 2400 - 2483.4 MHz
Network Standard: IEEE 802.11b
Output Power: 30mW
Data Rates Supported: 1, 2, 5.5 and 11Mbps
Modulation: DBPSK @ 1 Mbps; DQPSK @ 2 Mbps; CCK @ 5.5 and 11 Mbps
Non-Overlapping Channels: Three
Operating Channels: 11 Channels (U.S., Canada, Japan); 13 Channels (ETSI)
Encryption: None, 40-bit, 128-bit WEP

Operating System and Software

Operating System: GS-DOS DOS architecture programmable with standard x86 development tools, Borland® and Microsoft® C/C++ libraries provided for non-PC standard functions (laser engine support, communication & power management).
CPU: AMD ELAN SC310 386SX microprocessor. Up to 20MHz (Auto-speed).
Memory: 2MB RAM, 8 MB FLASH
Real Time Clock: Accurate, crystal-controlled real time clock/calendar. Application software controllable time/date stamping.

Data Inputs

Laser Engine Options: Standard: Scans 2 to 36 in. (5 to 91cm) in high ambient light
Long-Range: Scans up to 15 ft. (4.6m) with reflective labels
High-Density: Scans small bar codes >2 mil.

No laser engine

Bar Code Symbol Types: Code 3 of 9, Interleaved 2 of 5, EAN, Codabar, Code 128, Plessey, Code 11, Code 93, UPC

Alphanumeric Keypad: 36 keys, four (4) user-definable function keys
CLR, SPC, BKSP, SHIFT, ENTER, LIGHT, NUMLOCK, ESC
Special Characters: • # / @ + & = . - \$ % ! \ :

Numeric Keypad: 20 keys with shifted alpha keys, four (4) user-definable function keys
SP, BKSP, SHIFT, ENTER, LIGHT, CONTR, ESC
Splash-resistant, one-piece module. Special Characters: % \$? \ : > , + - / * =

Data Outputs

LCD: 8 lines of 20 characters per line; 9th line software-controllable for status. 119 x 73 graphics pixels. Alpha-Numeric, scrollable.
Application software controllable pixel graphics: 6 x 8 pixel matrix. Electroluminescent Backlight.

Indicator Lights: Red light on during "Laser Scanning". Green light blinks for "Successful bar code decode".

Audible Horn: Internal application software controllable speaker, emits sound level of 90dB

Data Upload/Download: IrDA-compliant Infrared Transceiver

Power: One 3.6V 3 cell battery pack, 2.2 x 1.8 x .08 in. (5.6 x 4.6x 2cm)
NiMH (1500mAh) gives Dolphin RF < 10 hours typical usage
Internal NiMH back-up battery retains memory & clock for < 30 minutes
Low-battery detection & automatic shut-off with battery voltage levels readable by application software

Structural

Size: 6.85 x 2.63 x 2.25 in. (17.0 x 7.0 x 5.0cm)

Weight: 14.5 oz. (411 gm)

Case: Polycarbonate ABS Blend

Structural Integrity: Multiple 5 ft. (1.5m) drops to concrete; Designed to meet IP-64 standards for moisture & particle resistance.

Environmental

Temperature

Operating: 14 to 122°F (-10 to 50°C) **Storage:** -4 to 158°F (-20 to 70°C)

Humidity: Operates in up to 95% non-condensing humidity

Electrical Static Discharge: 15KV on all surfaces

Fire Retardant Rating: UL 94-VO

Agency: FCC Class A, CE Mark



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Worldwide Offices

Offices Serving North America
Skaneateles Falls, NY
Tel: +1 315 685 8945
or, in North America: +1 800 782 4263
sales@hhp.com
Charlotte, NC
Tel: +1 704 998 3998
or, in North America: +1 800 782 4263
sales@hhp.com

Offices Serving Europe, Middle East, and Africa
Europe
Tel: +31 (0) 40 29 01 600
euro_sales@hhp.com
United Kingdom
Tel: +44 (0) 1 925 240055
euro_sales@hhp.com
Ireland
Tel: +353 (0) 502 44007
euro_sales@hhp.com

France
Tel: +33 (0) 1 461 04111
euro_sales@hhp.com
Germany
Tel: +49 (0) 7 477 151377
euro_sales@hhp.com
Spain
Tel: +34 93 228 76 68
euro_sales@hhp.com

Offices Serving Asia and the Pacific Rim
Hong Kong
Tel: +852 2511 3050/2511 3132
asia_sales@hhp.com
Japan
Tel: +813 52127392
asia_sales@hhp.com

Offices Serving Latin America
Naples, Florida
Tel: +1 239 263 7600
la-sales@hhp.com
S., o Paulo
Tel: +55 11 5016 3454
la-sales@hhp.com
Rio De Janeiro
Tel: +55 21 2494 7060
la-sales@hhp.com

Web Site Address www.hhp.com

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