802.11b-Compliant Dolphin 7200 RF™ Handheld Computer

The original ergonomic shape of Dolphin® 7200 has gone wireless. 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 easily create wireless applications linked to a host PC, using RF Simplicity® and MS 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

Single-Handed Wireless Data Collection

Terminal Emulation Capability

Expandable Coverage and Range

Up to 128-bit Wired Equivalent Privacy (WEP)

Up to 11Mbps Data Transfer Rates

Industry Standard Communication Protocol

Operates with Other 3rd Party Products

RF Data Collection Applications

Long Battery Life

Integrated 802.11b Radio

11 Independent Channels

Direct Sequence Spread-Spectrum Technology

Dolphin 7200 RF™ - 802.11b Compliant

General

Frequency:	2400 - 2483.4 MHz
Network Standard:	IEEE 802.11b
Output Power:	100mW (+20 dBm)
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)
WEP:	WEP 128 bit, 40 bit, None

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. CMOS technology (low power). Up to 20MHz (Auto-speed).
Memory:	2MB RAM with 2MB non-volatile FLASH memory or 2 MB RAM with 8 MB non-volatile FLASH memory
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) Long-Range: Scans up to 15 ft. (4.6m) with reflective labels High-Density: Scans small bar codes >2 mil. High-Visibility: Scans in high ambient light 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; Independently certified to meet IP-64 standards for moisture & particle resistance.

CAUTION
LASER LIGHT - DO NOT STARE INTO BEAM
CLASS II LASER PRODUCT
670nm Laser - 1.0mW Max. Output

AVOID EXPOSURE - Laser light is emitted from this aperture.

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		

CISCO SYSTEMS

OPAL

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