

WLIF-Compliant Dolphin® RF 7200 Hand Held Computer



Features

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 WLIF- Compliant Radio - Frequency Hopping Spread-Spectrum technology allows for reliable data transmission

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.

The original ergonomic shape of Dolphin® 7200 has gone wireless. Dolphin® RF 7200 incorporates a high performance WLIF radio, enabling expandable wireless LAN networking capabilities. Its fast data rate and low power consumption make it well suited to a variety of applications. Dolphin is “the new standard in portable data collection.”

Dolphin RF supports terminal emulation for IBM 3270, IBM 5250 and DEC VT220, which allows Dolphin to integrate quickly into existing applications. In addition, it meets the many needs of wireless users including printing, scanning and “hot keying” to another session for fault tolerance.

One access point (transceiver) provides coverage for a radius of 102 to 151 feet (31 to 46m), depending on the environment. More access points can be added to increase coverage when needed. “Seamless Roaming” allows a user to work anywhere on the site using an overlapping network of access points.

Easy TCP/IP Protocol Software provides a “socket connection” between Dolphin and the host. Industry-standard communication protocol enables operation with third party software.

Dolphin RF works with all WLIF-compliant products to allow network expansion as needed. It can be connected to other devices, such as printers and PCs via PC-card adapters.

Users of the Dolphin RF can easily create small wireless applications linked to a host PC, using RF Simplicity™ and Microsoft® Visual Basic™. A software development kit is also available to create custom applications in Microsoft® or Borland® C/C++.

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

Upgrade your image.

WLIF Compliant Dolphin RF™ 7200 Specifications



General

Frequency:	2.4 to 2.4835 GHz
Output Power:	100mW (+20 dBm)
Data Rate:	1.6 Mbps per channel in high-speed mode, 800 Kbps in back-off mode
Modulation:	4FSK (BFSK in back off mode)

Network Information

Drivers Available:	ODI supports major network O/Ss
Software:	Standard TCP/IP Stack and software development kit
Terminal Emulation:	IBM3270, 5250 and DEC VT220

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, 8MB 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:	Application software controllable speaker
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 4.6 x 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 5.7 cm)
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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