Dolphin® 7200 RS-232
Mobile Computer

Features

RS-232 & IR port - Two connectivity options for various applications

DOS-Compatible 386 Architecture - Applications can be created using 16-bit Microsoft Visual C++ or Borland C/C++.

Easy-to-read Display - Backlit, bitmap graphic display provides a range of font sizes, up to 8-line x 20 characters. A 9th line is software controllable to display status.

Two Keypad Options - Allows users to select the best configuration for their applications. Epoxy coated keys extend product life.

Integrated Laser Engine - Standard High-Performance laser engine reads linear barcodes from 3 to 30".

2MB RAM with 8MB FLASH - Large data files and programs can be stored in secure, non-volatile memory.

Low Power Consumption - Increased productivity. The terminal is powered for an entire work shift no matter how intensive.

Two Charging / Communication Options - Allows use of either the HomeBase or a Charging/Communication cable to exchange data and recharge the battery.

Rugged design (IP54) - Survives 5 foot drops to concrete. Operates in harsh environments and withstands rough treatment.

The Dolphin 7200 mobile computer with a Micro-DB9 RS-232 port is a compact, high performance data collection terminal with standard connectivity at a low cost. Capable of reading all popular linear barcodes, the Dolphin 7200 terminal fits into an array of environments.

Through the terminal's Micro-DB9 RS-232 port, the Dolphin 7200 can connect to a host computer to send and receive data. The terminal's battery can be recharged through the RS-232 port using a cable and power adapter or the Dolphin HomeBase™ charging/communications cradle.

The Dolphin 7200 can connect to self-powered, RS-232-compliant peripherals, such as external modems and printers, GPS receivers, electronic scales, and various input devices. Wireless IrDA connectivity remains available, allowing users to connect with IrDA-compliant printers through the IR port.

With its compact size, ergonomic and lightweight design, the Dolphin 7200 is ideally suited for route accounting, field services, remote order entries, and direct store deliveries. The standard memory configuration of 2MB RAM and 8MB non-volatile FLASH ensures reliable data and program storage and transfer. The terminal has an IP-54 rating, can withstand multiple five-foot drops to concrete, and has a long battery life for use in demanding industrial environments.

Dolphin 7200 RS-232 Specifications

System Architecture

Microprocessor: AMD ELAN SC310 386SX microprocessor @ 20MHz

Memory: 2MB RAM with 8MB non-volatile FLASH

Real-Time Clock: Accurate, crystal-controlled real-time clock/calendar
Application software controllable time/date stamping

Operating System: GS-DOS architecture programmable with standard x86 development tools. Borland® and Microsoft® C/C++ libraries provided for non-PC standard functions (laser engine support, communications and power management).

Data Inputs

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

Numeric Keypad: 20 keys with shifted alpha keys, four (4) user-definable function keys
SP, BKSP, SHIFT, ENTER, LIGHT, CONTR, ESC
Special Characters: # / @ > , + - = % \ :

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

Bar Code Symbol Types

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

Data Outputs

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

Data Upload/Download: Micro-DB9 RS-232 port; IrDA-compliant Infrared Transceiver.

Visual Indicators: Red light on during "Laser Scanning". Green light blinks for "Successful Bar Code Decode".

Audio Indicator: Application software controlled speaker.

Power: One 3.6V 3-cell battery pack: 2.2 x 1.8 x .08 in. (5.6 x 4.6 x 2 cm.).
NiMH (1500 mAh) gives Dolphin up to 21 hours typical usage.
Internal NiMH back-up battery retains memory & clock for <30 minutes.
Low-battery detection & automatic shut-off with battery charge levels readable by application sofware.

Structural

Case Material: Polycarbonate ABS Blend

Dimensions: 6.85 x 2.63 x 2.25 in. (17.0 x 7.0 x 5.7 cm.)

Weight: 12 oz (340g) +/-10g

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

ESD: 15KV on all surfaces

Structural Integrity: Multiple 5 ft. (1.5m) drops to concrete; Designed to meet IP-54 standards for moisture & particle resistance.

Agency Approvals: FCC Class A, CE Mark

Fire Retardant Rating: UF 94-VO

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