Dolphin® 7200 2D
Hand Held Computer

Features

Dolphin® Patented Ergonomic Design - Compact shape allows single-handed data collection and fits either hand.

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

Easy-to-read Display - The 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.

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

Reliable, Rugged Design (IP64) - Survives 5-foot drops to concrete. Operates in harsh environments and withstands rough treatment.

Integrated Image Engine - Advanced Linear Decoding (ALD) provides laser-like performance for linear code scanning, and IQ Imaging™ captures signatures, takes pictures, and provides point-and-shoot scanning of 1D and 2D bar codes.

Three Image Engine Options - Choose HD, LR, or LX Image Engine depending on the symbology size. Supports TIFF, JPEG, and RAW image formats (grey or black & white)

The Dolphin® 7200 2D incorporates a low-power, high-resolution digital imager for use as an all-in-one portable automatic data collection device. The 7200 2D reads all popular 1D and 2D bar codes and captures signatures and digital images in gray-scale and black and white. The unit's display acts as a viewfinder for image-capture.

This pocket-size 13.8 oz. (392 gm) portable computer fits comfortably in either hand and offers an easy-to-program DOS PC architecture. It can capture images and read barcodes even in total darkness using its own supplemental LED lights. The Dolphin family has become "*the new standard in portable data collection.*"

The 7200 2D automatically discriminates between, and reads all popular 1D bar codes, PDF417 and 2D symbols from any orientation - for less training and more productivity. It also reads microPDF, Maxicode, Aztec code, Datamatrix, QR Code, UCC RSS code, composite codes, postal codes and OCR fonts A and B.

The Dolphin 7200 2D records and compresses gray-scale or black and white images and stores them in industry-standard data compression file formats in secure FLASH memory to download via HomeBase™ or VehicleBase™.

Upgrade your image.

System Architecture

Microprocessor:	AMD ELAN SC310 386SX microprocessor @ 20MHz
Memory:	2 MB RAM with 8 MB 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. Microsoft® C/C++ libraries provided for non-PC standard functions (imager engine support, communication and power management).

Data Inputs

Alphanumeric Keypad:	36 keys, four (4) user-definable function keys CLR, SPC, BKSP, SHIFT, ENTER, LIGHT, NUMLOCK, ESC Special Characters: l # / @ + & = . - $ % ! \ :
Numeric Keypad:	20 keys with shifted alpha keys, four (4) user-definable function keys SP, BKSP, SHIFT, ENTER, LIGHT, CONTR, ESC Special Characters: l $? \ : > , + = % \ :
Imager:	CMOS Sensor: 640 x 480 Pixel 256 level gray scale image Operates in range of light from outdoors to total darkness
Image Engine Options:	LX: red or green aimer option scans from 2.0 to 15.0 in. (5.1 to 38.1 cm) LR: red or green aimer option scans from 1.9 to 9.4 in (4.8 to 23.9 cm) HD: red or green aimer scans from 1.6 to 3.9 in (4.1 to 9.9 cm) Non-scan option also available

Bar Code and Auto-ID Symbol Types

1D Linear Codes:	Code 3 of 9, Interleaved 2 of 5, EAN, Codabar, Code 128, Code 93, UPC, Code 11, IATA 2 of 5, MSI, UPC A, UPC EO, UPC EI, EANISAN13, EANISAB8
2D Codes:	PDF417, microPDF, Maxicode, Datamatrix, Aztec, QR Code, Code 49
Composite Codes:	UCC RSS, Aztec Mesa, RSS-14, CODABLOCK
OCR Codes:	OCR (Optical Character Recognition) A and OCR B
Postal Codes:	Postnet and most international 4 state codes, PLANET Code, BPO 4 State, Canadian 4 State, Dutch Postal, Australian 4 State, Japanese Postal

Data Outputs

Display:	8 lines of 20 characters per line; 9th line software-controllable for status line Application software controllable pixel graphics Electroluminescent backlight
Data Upload/Download:	IR infrared transceiver
Visual Indicators:	Red light on during "Imager Decoding". Green light blinks for "Successful Decode"
Audio Indicator:	Internal application software controllable speaker, emits sound level of 90dB.
Power:	Rechargeable 3.6V NiMH (1,500 mAh) 2.2 x 1.8 x 0.8 in. (5.6 x 4.6 x 2cm). Internal NiMH Back-up battery retains memory & clock for <30 minutes. Low-battery detection and automatic shut-off with battery voltage levels

Structural

Dolphin Terminal **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:	13.8 oz. (392 gm) with battery (+/- 10 gm); 9.7 oz. (275 gm) without battery (+/- 10 gm)
Ergonomics:	Patented shape allows true, one-handed operation; comfortably fits in either hand
HomeBase™ **Size and Weight:**	5.5 x 5.4 x 4.8 in. (14.2 x 14.0 x 12.5 cm), 29.6 oz. (839 gm)

Environmental

Temperature **Operating:** **Storage:**	14 to 122°F (-10 to 50°C) -4 to 158°F (-20 to 70°C)
Humidity:	Operates in up to 95% non-condensing humidity
Electrical Static Discharge:	15KV
Structural Integrity:	Survives multiple 5 ft. (1.5m) drops to concrete; Designed to meet IP-64 standards for moisture & particle resistance
Agency Approvals:	FCC class A, CE Mark
Fire Retardant Rating:	UL 94-VO