

## **Dolphin® 7450**

### **Mobile Computer**

**with Microsoft® Pocket PC**



#### **Features**

*Microsoft® Pocket PC Platform - Portable convenience with full programming flexibility.*

*Integrated Pistol Grip Handle Design - Provides greater durability and preferred ergonomics for rapid, high volume scanning.*

*IQ Imaging™ with Advanced Linear Decoding (ALD)- Provides instant point-and-shoot 1D & 2D bar code scanning, captures signatures, and takes pictures.*

*ALR Laser Scanning Option - Provides long range scanning*

*Rugged IP-64 Construction - Operates in harsh environments and withstands rough treatment.*

*Multiple Keyboard Options - Intuitive, optimized layouts for various applications.*

*Cisco® 802.11b WLAN Communications with LEAP (Dynamic WEP) - Provides real time, pervasive information access and data transmission security.*

*Spectrum24® 802.11 FHSS WLAN Communications*

*Terminal Emulation Capability - Compatible with legacy applications.*

*Large 3.8" 1/4 VGA Display with Touch screen - Backlit display provides easy viewing in most lighting conditions*

*Compact Flash Card Slot - Provides up to 256 MB of additional memory for data storage.*

*High Capacity 2700 mAh Battery Pack - Ensures long battery operation time with WLAN and scan-intensive applications.*

The Dolphin® 7450 hand held computer offers the enhanced productivity features of the popular Dolphin® 7400 terminal with the added convenience of a pistol grip-style form factor for high volume scanning applications. The ergonomically friendly design makes the Dolphin 7450 ideally suited for most in-premise automatic data collection applications used in retail, distribution, warehousing, manufacturing, and transit industries.

The integrated pistol-grip handle provides comfortable ergonomics and intuitive point-and-shoot scanning for extended periods of use. Three backlit keypad options are available to enhance data entry efficiency in different industry-specific applications. Featuring the largest 1/4 VGA display in its product class, the 7450 provides crisp, easy-to-read application data and full content viewing, reducing the need for screen scrolling.

Bar code scanning performance is optimized through the use of HHP's patented area imaging technology, which provides omni-directional reading of all major 1D and 2D bar code symbologies. Data capture is further enhanced with the ability to incorporate photo images and signatures into ADC applications. An optional ALR laser scanner is also available for long-range scanning applications prevalent in warehousing and distribution centers.

Available in batch and with optional Cisco® 802.11b DSSS or Spectrum24® 802.11 FHSS wireless local area network (WLAN) connectivity, the Dolphin 7450 enables mobile workers to capture, process, and deliver data when and where it's needed. The Dolphin 7450 is equally durable, designed to withstand repeated five-foot drops to concrete and to meet IP-64 standards, fulfilling the needs of many industrial environments.

At the heart of the Dolphin 7450 lies the strength of Microsoft Windows® Pocket PC platform powered by the Intel StrongARM® 206 MHz processor. Configured with 64 MB RAM and 32 MB Flash memory, the 7450 provides ample, secure storage for current and emerging applications. An optional compact flash memory card is available to increase data storage up to 256 MB. Prolonged operation is ensured by the 7450's rechargeable 2700 mAh NiMH battery, which provides up to eight hours of continuous use between charges.

To learn how the Dolphin 7450 can work for you, contact us at any of the locations listed on the back or visit us at [www.hhp.com](http://www.hhp.com).

**Upgrade your image.**



## Performance Specifications

<b>Operating System:</b>	Microsoft <sup>®</sup> Pocket PC 2002 Professional Edition
<b>Application Development:</b>	Windows architecture programmable with Microsoft <sup>®</sup> eMbedded <sup>™</sup> Visual Tools (contains CE versions of Visual C++ <sup>®</sup> and Visual Basic <sup>®</sup> ). RF connectivity software for Local Area Network systems and terminal emulation
<b>CPU:</b>	Intel <sup>®</sup> StrongARM <sup>™</sup> RISC Processor, 206 MHz
<b>Memory:</b>	64 MB RAM, 32 MB non-volatile FLASH; optional Compact Flash card – up to 256 MB
<b>Calendar/Clock:</b>	Crystal-controlled
<b>Wireless</b>	
<b>Local Area Network:</b>	LAN RF Version Cisco 2.4GHz frequency within IEEE 802.11b industry standards, up to 11 Mbps throughput Spectrum24 <sup>®</sup> 802.11 FHSS, up to 2Mbps throughput
<b>Communications:</b>	RS-232, IrDA

## Data Inputs and Outputs

<b>Image Engine Options:</b>	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
<b>1D Symbologies Read:</b>	Code 3 of 9, Interleaved 2 or 5, EAN, Codabar, Code 128, Plessey, Code 11, Code 93, UPC, RSS
<b>2D Symbologies Read:</b>	PDF417, MaxiCode, Data Matrix, QR, RSS Composite, EAN.UCC, Aztec, OCR
<b>Long Range Scanning:</b>	ALR scanner option, 1D only; scans from 2.75 - 30 ft. (0.83 - 9.1 m) depending on bar code mil size
<b>Keyboards:</b>	Choice of 35-, 43-, or 56-keys, all backlit
<b>Display:</b>	3.8" ¼ VGA (240x 320 portrait mode), EL backlit, touch screen
<b>Power:</b>	2700 mAh NiMH battery
<b>Status Indicator Lights:</b>	Decode/good scan LEDs

## Physical Specifications

<b>Dimensions:</b>	10.2" L x 3.45" W x 1.9" D at display (24.53 x 8.9 x 4.8 cm.), 2.7" W x 1.6" D at keyboard (6.9 x 4.0 cm.)
<b>Weight:</b>	28.8 oz (816 g) - Batch unit; 31.4 oz. (890 g) - RF unit
<b>Materials:</b>	Magnesium-alloy top housing and Polycarbonate ABS blend bottom housing and handle
<b>Impact Resistance:</b>	Survives multiple 5 ft. (1.5 m) drops to concrete
<b>Environmental Sealing:</b>	Designed to meet IP-64 standards for moisture and particle resistance
<b>Operating Temperature:</b>	14 to 122° F (-10 to 50° C)
<b>Storage Temperature:</b>	-22 to 176°F (-30 to 80°C)
<b>Humidity:</b>	95% humidity non-condensing

## Electrical Static

<b>Discharge:</b>	15KV on all surfaces
<b>Agency Approvals:</b>	FCC Class B, CE, EN60950, R&TTE Directive

## Peripherals and Accessories

<b>IntelliBase<sup>®</sup> Cradle:</b>	Provides charging power to terminal while operational. Data transfer via infrared. Choose 120 V or 240 V AC power.
<b>Mobile IntelliBase<sup>®</sup> Cradle:</b>	Provides charging power to terminal while operational. Data transfer via infrared com port. Uses 12vDC or 48 vDC power
<b>QuadCharge<sup>®</sup></b>	Simultaneously conditions and charges 1-4 batteries
<b>Communication and Charging Cables:</b>	Serial/charge cable; printer cables
<b>Functional Case:</b>	Slip-on style cover with belt clip
<b>Holster:</b>	Multi-purpose terminal holster, can be worn by user or wall/vehicle mounted

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