



LDS7600

Hand Held Portable Terminal



Description

Dolphin LDS7600

The LDS7600 is a portable terminal, designed at InData Systems for reading and decoding small-scale etched, UV Fluorescing or embossed two dimensional (2D) Matrix symbologies using Honeywell/HandHeld Products Dolphin 7600 and InData Systems patented interchangeable optics. The patented LDS-V2 (Light Delivery System) aims the light from the scanner to a precise area at which specular reflection is reduced providing an optimal contrast ratio on etched and embossed symbologies achieving quicker, more successful bar code decoding. The patented M3 optic uses the shininess of etched marks on shiny or curved surfaces to make a virtual white background with a black bar code. Our patented family of shrouded optics, designed to read a variety of covert, fluorescing bar codes, are also interchangeable on the LDS7600. The LDS7600 also reads standard bar code without an optic.

Designed to optimally read and decode exceptionally small Datamatrix bar codes (the code selected as the ATA Spec2000² and EIA standard for small parts marking); the LDS7600 is the terminal of choice for a wide range of applications. Instead of costly labels on small electrical, medical instruments or aircraft components, the small Datamatrix codes are applied directly to the surface of the part itself by laser etching, chemical etching or use of the ink jet applied paints. The consequence is low contrast ratios, and bar codes on irregular surfaces resulting in bar codes that are not easily decoded. The LDS7600 combined with one of InData Systems family of interchangeable optics optimizes the readability by concentrating the lighting on the target bar code at a sharp angle and magnifying the codes.

Lightweight, balanced and easy to use, the LDS7600 works well in repetitive, high volume hand scanning operations. The LDS7600 is a Microsoft Windows CE based device and can be programmed for a wide variety of applications, transferring its data easily to all popular PCs. The LDS7600 can be integrated with all types of customer systems via wireless networking through its 802.11 b/g

Features

Small Ergonomic Design

Versatile High Performance Data Collection

Portable Terminal

Engineered for Durability

Benefits

Contoured, narrow body with an integrated finger saddle and angled image engine for comfortable one-handed use.

LDS7600 supports all DataMatrix, QR Code, Aztec and Micro-PDF417 barcodes. Adaptus Imaging Technology 5.0 reads linear and 2D bar codes and captures digital images providing the ability to process and manage more data with a single device than ever before.

Opens up new 2D bar code and image capture possibilities in portable applications.

Constructed for reliable use in light industrial applications – in the field and on site.

LDS7600 with Shrouded Optic



LDS7600 with M3 Optic

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LDS 7600 Technical Specifications

Specifications

Performance:

Focal Point:	Contact - .2 inches from end of Light Pipe
Working Range:	Barcodes with a minimum 4.75 mil (.1mm) narrow element
Rotational Sensitivity:	360°
Field of view:	0.35 inches/ 0.9 cm
Ambient Light:	Total darkness to 1,000 lux
Aiming:	Contact, between light pipes or at end of shroud or guide


Symbologies:

Matrix:	DataMatrix (ECC 000, 050, 080,100,140, 200), QR Code, Micro-PDF417 and Aztec
Linear:	Code 39, Code 128, I 2 of 5, Codabar, and most other very small 1D codes.
OCR Fonts:	OCR-A, OCR-B, OCR-Semi

Interfaces and Options:

Base and cable Interfaces:	Charging USB and Serial RS-232 – Future Ethernet interface
Options:	Interchangeable Optics, Wireless 802.11b, Bluetooth interface, Image Capture

Mechanical/Electrical:

Dimensions:		
Length:	7 in. (17.8 cm)	
Height:	1.8 in (4.6) [with support legs = 2.8 in. (7.1 cm)]	
Width:	2.7 in. (6.9 cm)	
Weight:	11.7 oz. (332 g)	
Power Requirements:	7.4V, 14.8 Watt removable, rechargeable lithium-ion battery	

Environmental:

Temperature -	
Operating:	-10 ⁰ C to 50 ⁰ C
Storage:	-20 ⁰ C to +70 ⁰ C
Humidity:	95% RH, non-condensing at 50 ⁰ C
ESD:	Functional after 15KV discharge
Environmental Resistance:	IP64 for moisture and particle resistance
Agency:	FCC Class B, CE

Due to InData Systems continuing product improvement programs, specifications and features herein are subject to change without notice



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