Protable Data Terminals

PDL-20

Portable Laser Data Terminal

LASER SCAN

Features

- **Integrated laser scan functionality**
  - 650mn visible laser diode for accurate scans

- **Convenient, one-handed operation**
  - Ergonomic, modern cellular phone styling

- **Built-in 96-character LCD display**
  - Backlit LCD readout displays information even in low-lit areas

- **Large internal memory**
  - Up to 2MB available for storage of thousands of barcodes

- **Fully programmable**
  - PC-based task generator for custom applications

- **Flexible connectivity**
  - Manage data via IrDA or RS-232C

- **Extended battery life**
  - Rechargeable 600mAh Lithium-Ion battery enables 24 hours of scanning between charges

Applications

Market research

Shipping/receiving

Meter recording

Inventory, stock, and asset management

Express delivery tracking

Portable and powerful, the PDL-20 integrates laser scanning into a svelte user-friendly unit. Sized like a modern cellular phone, users can operate the extensive features of the PDL-20 with the convenience of one-handed operation.

The PDL-20 comes with a 96-character backlit display, which allows the user to access key information even in low-lit conditions. With up to 2MB of internal memory available, thousands of barcodes can be stored. Thanks to the independent rechargeable Lithium backup, the PDL-20 remains secure from data loss due to a drained battery. However, with the integrated 600mAh rechargeable Lithium-Ion battery and advanced power management, the PDL-20 has the staying power to output 24 hours at 6 scans per minute between charges.

The PDL-20 is also fully programmable with the user-friendly Windows-based task generator. Communications can be done via IrDA or RS-232C for convenient data management, and can even be configured to an external modem.

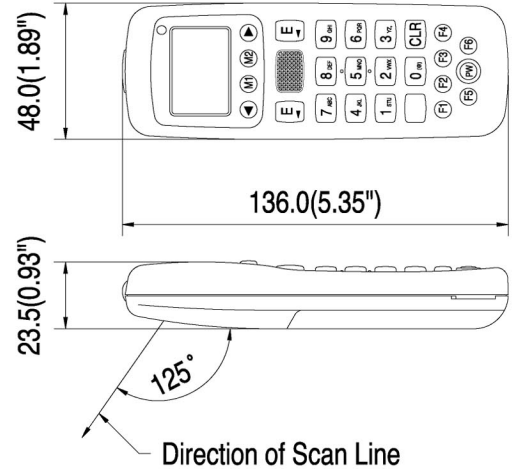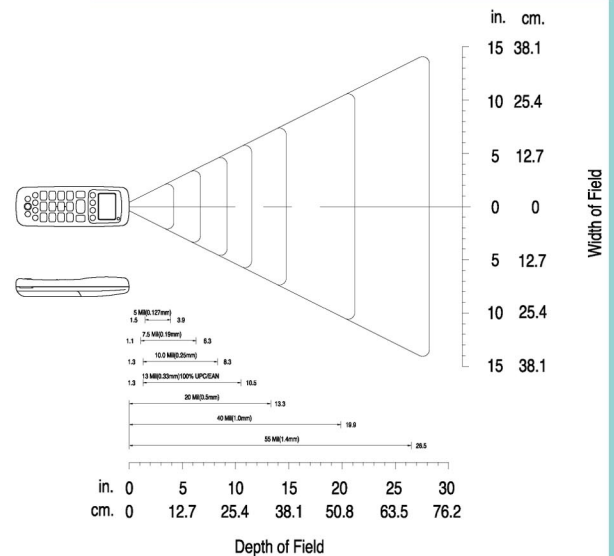For a portable data terminal with integrated laser scan capability, look no further than the PDL-20 from ZEBEX.

ZEBEX

PDL-20 Specifications

OPERATIONAL	
Scanner	
Light Source	650nm visible laser diode
Depth of Scan Field	0 - 670mm
Width of Scan Field	760mm @ 670mm of depth
Scan Speed	39 scans per second
Scan Angle	53°
Minimum Bar Width	5mil @ PCS 90%
Print Contrast	30% @ UPC/EAN 100%
Indicators (LED)	Two-color LED (green & red)
Beeper Operation	Programmable tone and beep time
System	
CPU	High-performance C-MOS processor
RAM	512KB / 1024KB / 2048KB SRAM
ROM	512KB Flash
System Interfaces	RS-232C via Cradle, IrDA (ZEBEX protocol)
Application Development	Windows-based application generator
Software Development Kit	Available
PHYSICAL	
Height	136.0mm
Depth	23.5mm
Width	48.0mm
Weight	123g (battery included)
LCD Display	FSTN, 96 x 49 dot graphic (6 x 16 characters)
POWER	
Main Battery	3.6V, 83mAh, rechargeable lithium-ion
Backup Battery	3.0V, 25mAh, rechargeable lithium battery
Battery Life	24 hours (6 scans/min)
Laser Class	CDRH Class II; IEC Class 2
EMC	CE & FCC DOC compliance
ENVIRONMENTAL	
Operating Temperature	0°C - 50°C
Storage Temperature	-10° - 60°C
Humidity	5 - 95% (non-condensing)
Light Levels	Max. 4500 LUX (Fluorescence)
Shock	Designed to withstand 1m drops

Specifications are subject to change without notice.
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Dimensions

48.0(1.89")
136.0(5.35")
23.5(0.93")
125°
Direction of Scan Line
Unit: mm(inch)

Scan Field

in. cm.
15 38.1
10 25.4
5 12.7
0 0
5 12.7
10 25.4
15 38.1

Width of Field

5 Mil(0.127mm) 3.9
7.5 Mil(0.19mm) 6.3
10.0 Mil(0.25mm) 8.3
13 Mil(0.33mm)/100% UPC/EAN 10.5
20 Mil(0.5mm) 13.3
40 Mil(1.0mm) 19.9
55 Mil(1.4mm) 26.5

in. 0 5 10 15 20 25 30
cm. 0 12.7 25.4 38.1 50.8 63.5 76.2

Depth of Field