symbol®

The PDT 1100 Portable Data Terminal

Mobile Applications in a Small Package
The Symbol PDT 1100 packs powerful laser bar code scanning technology into a cost-effective, lightweight, pocket-sized terminal. Built to fit the hand, this terminal makes it easy for mobile workers on the go to capture data quickly and accurately.

Big Value in a Small Package
Weighing in at just 5.7oz./160 gm and standing a mere 5.3 in./13.5 cm high, the PDT 1100 is loaded with versatile features. Companies with mobile workforces will find it the perfect fit for many applications and industries, including utility meter reading, sales automation, electronic order entry, parcel delivery, route accounting, inventory maintenance and parts tracking. Its wrist strap or optional pocket clip secures the terminal out of the way for driving, carrying packages or other tasks that require both hands. The terminal is available in two RAM configurations for data storage: 512 KB and 2 MB.

Powerful Technology for Efficient Operation
The PDT 1100 uses Symbol's SE 1200 scan engine for maximum efficiency. Users can capture data

from 40-mil bar codes at distances up to 22 in./56 cm, including data from poorly printed and low-contrast symbols. The practical design offers two ways to capture bar code data: from two easy-to-reach side-mount triggers or from the top-mounted M1 and M2 keys, which can be programmed as bar code scanning triggers.

Built-in Comfort and Durability
The PDT 1100 was built to adapt to many uses and situations. The terminal's 26-key keypad and read-able 6-line by 16-character LCD display take the effort out of data entry. With eight dedicated function keys, users can call up special applications or functions with push-button ease. The display can be backlit for comfortable reading at night or in dimly lit environments. Rugged enough for operation in office and field environments, the terminal can withstand 4-ft./1.2 m drops to concrete.

Easy Data Transfer
Everything about the PDT 1100 is versatile, including data transfer. The terminal communicates with the host computer via a communications cradle or directly via the built-in Ir port. The terminal can communicate with any PC with a standard IrDA port. All the communication modes use a prepackaged, host-based software transfer utility that runs in Microsoft® DOS and Microsoft Windows.®

Friendly, Programmable Environment
The PDT 1100 is as easy to program as it is to operate. Developers can create, customize and maintain end-user applications with a BASIC compiler in Microsoft DOS or

Microsoft Windows. Applications are stored into the terminal's non-volatile ROM or loaded into RAM. (Programs stored in non-volatile ROM are not lost when the batteries are removed).

Battery Power Options
The PDT 1100 has a choice of power options to fit its range of uses. In the base configuration, the PDT 1100 uses two standard AAA batteries. An optional rechargeable NiMH battery which slips into the same space as the AAA batteries, can be purchased with the terminal or added later. While the terminal is in use, a separate battery charger can repower as many as four NiMH battery packs simultaneously. Another option is to place the battery-pack-loaded terminal into a communications cradle with charging capability. The cradle has a separate slot for charging a spare battery pack.

Complete Support Worldwide
The PDT 1100 is backed by Symbol Technologies' worldwide service and support network. Symbol systems are critical to business success in data-intensive, time-critical environments because our systems help you capture, access and manage information at the point of business activity.

To find out how your company's mobile workforce can be more productive using Symbol's pocket-sized PDT 1100 hand-held terminal, contact any of the convenient locations listed on the back panel or visit us at www.symbol.com

PDT 1100

Features	Benefits
Lightweight, pocket-size	Fits in the palm for easy single-handed operation. Operators can free hands to carry packages or drive a vehicle
Powerful SE 1200 scan engine	Capture bar code data at night, in low light, even poorly printed symbols
Hand-held ergonomic design	Easy to trigger scans, enter data, access applications, read displays
Rugged construction	Stands up to tough environments
Serial data transfer, programming and power options	Adapts to many applications and industries

PDT 1100 Specification Highlights

Performance Characteristics

CPU:	16-bit CMOS microprocessor
Memory:	Flash ROM: 512 KB (including system area); RAM: 512 KB or 2 MB
Application Development:	BASIC Compiler
Display:	Dot-matrix, liquid crystal display (LCD); 6 lines, 16 characters per line (48 x 96 pixels)
Decode Capability:	UPC/EAN, Code 39, Code 93, Interleaved 2 of 5, Discrete 2 of 5, Codabar
Decode Range:	The PDT 1100 can read bar codes at a maximum distance of 22 in./56 cm from the bar code reading window

Physical Characteristics

Dimensions:	5.3" H x 2.3" W x 1.2" L, 135 mm H x 59 mm W x 30 mm L
Weight:	5.7 oz./160 gm
Keyboard:	24 keys plus 2 programmable keys (default scan triggers)
Communications:	Optical Interface: Infrared interface; Transmission rate: Max 115.2 Kbps; Cable Interface: Start/Stop synchronization; Transmission speed: Max 38,400 bps; Signal Level: RS 232
Light Source:	Visible Laser Diode at 670 nm
Laser Class:	Designed to be used primarily as CDRH Class II, IEC 825-I/EN60825-I Class II
Scan Angle:	53° nominal
Scan Rate:	35±5 scans per second
Minimum Print Contrast:	20% absolute dark/light reflectance at 670 nm
Interface Type:	Serial RS-232 Ir interface. The terminal can communicate with any PC with a standard IrDA port
Power:	2 AAA alkaline cells (standard configuration); rechargeable NiMH battery pack is an option

CAUTION
LASER LIGHT–
DO NOT STARE INTO BEAM
630nm-680nm LASER
1.0 MILLIWATT MAX. OUTPUT
CLASS II LASER PRODUCT

User Environment

Operating Temperature:	0°C to 40°C/32°F to 104°F
Drop Specification:	Terminal withstands 4-ft./1.2 m drops to concrete
Ambient Light:	Artificial: 450 ft.-candles/4,844 lux; Sunlight: 8,000 ft.-candles/86,112 lux
EMI/RFI:	FCC Part 15 Class A, EMC Directive, Australian SMA **CN410**
Electrical:	Certification to UL1950, CSA C22.2 No. 950, EN60950/IEC 950

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