PDT 3100 Series

symbol®

More Options for Collecting, Displaying and Communicating Data with Symbol Portable Terminals

Built for unmatched durability and designed for flexible, single-handed operation, the Symbol PDT 3100 is the bar code data capture industry's most popular portable data terminal. The 16-bit DOS, lightweight PDT 3100 offers a choice of 4- or 8-line by 20 character displays. You can also choose between 35 or 46 alphanumeric or 21 numeric keypad configurations and optional integrated linear (one-dimensional) bar code scanning capability.

Scanning Options to Meet a Range of Needs

The PDT 3100 terminal series offers outstanding on-the-job scanning performance, even in the most demanding environments. The optional scan heads have the ability to:

▶ Read poor-quality or large symbols, up close or at a distance

▶ Deliver high first-time read rate and accuracy

▶ Scan through plastic and other protective coatings

▶ Rotate, permitting left- or right-hand scanning with equal ease

What's more, the 1D scan engine features Symbol's patented Mylar® scan element, a unique technology that creates motion without wear or tear for durable, non-stop reliability.

Communications Options for Your Environment

For data transmission, the PDT 3100 offers either batch processing or wireless communications via Symbol's Spectrum24® wireless LAN technology. Designed to comply with the IEEE 802.11 airwave communications standard, Symbol's Spectrum24 wireless LAN technologies provide unsurpassed performance, reliability and ease of installation and use.

Ideal for Data-Intensive Applications

Symbol's portable data terminals are ideal for data-intensive applications in a wide range of industries including retail, where portable data terminals bring new levels of speed and accuracy to shelf price audits, price checking, order entry, inventory control, shipping, picking and receiving. Transportation and logistics companies will find they provide more efficient ways to perform package/baggage tracking, picking and receiving, and cross-dock applications.

Feature	Benefit
DOS operating system	Standard 16-bit DOS software environment for easy development
Rotating scan head	Allows one-hand operation for scanning and data capture transactions
Side-mounted alpha-shift/ laser key	Users may select left- or right-trigger for optimal comfort and maximum productivity
Comfortable grip	Complete user comfort without stress or fatigue, even over extended periods of use
Resonant scan element	Ultimate reliability for years of trouble-free operation
Durable design and construction	Stands up to rough handling– including 4-ft./1.2 m drops to concrete, a real plus in transportation applications
Battery life	Full-shift battery life keeps employees productive
Full range of options	Choose modem, memory and communications technology according to your specific needs

Proven Past, Unlimited Future

Symbol's PDT 3100 Portable Data Terminal Series has a proven history of performance and reliability second to none. It's another example of strategic thinking from Symbol.

Symbol is the worldwide leader in bar code-driven data management systems with more than 40,000 wireless network installations and millions of scanners and terminals in use.

To find out how the PDT 3100 can work for you, call any of our convenient locations or visit us at www.symbol.com

PDT 3100 Specification Highlights

Physical Characteristics

Dimensions:	4-line or 8-line display with 1D scanning: 1.9 in. D x 3 in. W x 9.38 in. H/48 mm D x 76 mm W x 238 mm H
Weight:	15.5 oz./440 gm to 16.9 oz./480 gm; PDT 3500 Series: 25.5 oz./724 gm to 29.4 oz./834 gm includes battery and laser module

User Environment

ESD:	15KV electrostatic discharge to all surfaces without loss of data
Humidity:	0% to 95% non-condensing at 122°F/50°C
Drop:	Unit functions normally after 4-ft./1.2 m drop to concrete
Operating Temperature:	32° to 104°F/0° to 40°C
Storage Temperature:	-4° to 140°F/-20° to 60°C

Performance Characteristics

Microprocessor:	80c88 type (8 MHz/V25)
ROM:	System EPROM 128 KB (DOS, BIOS, and terminal diagnostics)
Non-Volatile Memory:	256KB for program storage in a protected area
RAM Memory:	Up to 7.6 MB for data and/or program storage
Keyboard:	21-key hard key cap; 35-key, or 46-key conductive rubber; side alpha-shift key and scan trigger
Display:	4-line or 8-line by 20 characters, supertwist (STN) LCD, backlight, reverse video, double-high and double-wide characters
Real-Time Clock:	Time and date stamping under software control
Interfaces:	DE9: tethered laser scanner or contact wand; RJ-41: for cradle, cable or printer interface

Batch Communications

RJ-41:	Limited RS-232-C communications capable of transmission speeds from 150 bps to 38.4 Kbps (software optional)
Internal Modem:	Direct connect modem option supporting V.21, V.22, V.22bis, V.23, 103/212, V.42, V.42bis through rear-mounted RJ-11
Internal Acoustic Modem:	Acoustic modem option supporting simplex transmit modes V.21, V.23, (1200, 1350) rear-mounted coupler

RF Data Communications

Output Power:	100, 250, 500 mW (approx.) (varies by country)
Antenna:	Internal, diversity
Frequency:	2.4 to 2.5 GHz (varies by country)
Spreading Code:	Multiple, software controlled
Data Rate (effective):	1 Mbps
Compliance:	FCC part 15 in U.S. only, ETSI 300.328 in Europe, RCD STD-33 in Japan

Peripherals

Optional Laser Module:	Scanning module rotates 180° for right or left-handed operation; supports one-dimensional bar codes only; standard and long-range models
Contact Wands:	Including 6 or 10 mil (.15 or .26 mm) aperture choices
Communications/Charging Adapter:	Provides trickle charging of NiMH batteries and provides full RS-232-C voltages and signals
Single-Slot Cradle:	Full RS-232-C, 25 pin connector, optional internal modem; Rapid charging: 90 mins. NiCd, 120 mins. NiMH
Four-Slot Cradle:	Equivalent to single-slot functionally without the modem option
Power:	9-volt alkaline battery; high-capacity NiMH battery pack

CE

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

For system, product or services availability and specific information within your country, please contact your local Symbol Technologies office or Business Partner.

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