PDT 3100 Series

PORTABLE DATA TERMINALS

Now with Enhanced Features!

Industry Leading Data Terminal with New Enhancements

The PDT 3100 from Symbol Technologies is the bar code data capture industry's most popular portable data terminal with a proven history of performance and reliability second to none. A wide variety of flexible options – including a choice of displays, keypads, bar code scanning and communications – enable the PDT 3100 to be customized to best fit the needs of your application. Users can select from 4- or 8-line by 20 character displays, 35- or 46-key alphanumeric keypads, optional integrated 1-D scanning, and either batch or wireless communications via Symbol's Spectrum24® wireless LAN technology. An improved display is sharper and easier to read, even in bright light. And a new and improved scan engine delivers robust scanning performance.

High Performance First-Time Every-Time Scanning

The PDT 3100 Series offers outstanding scanning for the most demanding environments. The SE1200 HP scan engine delivers faster scanning with the ability to easily read bar codes through plastic and other protective coatings, poor quality bar codes, and reflective and low-contrast symbols as well. In addition, the flexible scan head can rotate, enabling left- or right-handed scanning.

Ideal for Data-Intensive Applications

The PDT 3100 Series is ideal for data-intensive applications in a wide range of industries including retail, where portable data terminals bring increased efficiency and accuracy to shelf price audits, price checking, order entry, inventory control, shipping, picking and receiving. In transportation and logistics environments, the PDT 3100 enables more efficient package/baggage tracking, picking and receiving, and cross-dock applications.

Proven Past, Unlimited Future

One of the industry's most proven and robust portable data terminals, the PDT 3100 Series offers flexible options to meet your needs today and in the future, with performance and reliability you can count on. It's another example of strategic thinking from Symbol, the worldwide leader in bar code-driven data management systems. To find out how terminals in the PDT 3100 Series can work for you, call any of our convenient locations or visit us at www.manicon.com

Feature	Benefit
DOS operating system	Standard 16-bit DR-DOS software environment for easy development
Improved display	Sharp, easy to read - even in bright light
Rotating scan head	Allows convenient left- or right-handed data capture
Side-mounted alpha shift/laser key	Users may select left- or right-trigger for optimal comfort and maximum productivity
Comfortable grip	Maximum user comfort, even over extended periods of use
Integrated Symbol scan engine	High-performance data capture minimizes input error
Durable design and construction	Stands up to rough handling – including 4 ft./1.2 m drops to concrete
High-capacity NiMH battery pack	Full-shift battery life keeps employees productive
Full range of options	Choose memory and communications technology according to your specific needs

PDT 3100 Specification Highlights

Physical Characteristics	
Dimensions:	4-line or 8-line display with 1-D 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; includes battery and laser module
Display:	4-line or 8-line by 20 characters, supertwist FSTN Film Super Twist Neumatic (LCD, backlight, reverse video, double-high and double-wide characters)
Battery:	9-volt alkaline battery; high-capacity NiMH battery pack
Keypad:	21-key hard key cap; 35-key, or 46-key conductive rubber; side alpha-shift key and scan trigger
User Environment	
ESD:	15KV electrostatic discharge to all surfaces without loss of data
Humidity:	0% to 95% noncondensing at 122°F/50°C
Drop Specification:	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)
Operating System:	Standard 16-bit DR-DOS software
RAM Memory:	Up to 7.6 MB for data and/or program storage
ROM Memory:	System EPROM 128 KB (DOS, BIOS, and terminal diagnostics)
Non-Volatile Memory:	256KB for program storage in a protected area
Real-Time Clock:	Time and date stamping under software control
Interfaces:	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)
Wireless Data Communications	
Wireless Local Area Network:	Optimal IEEE standards-based on Spectrum 24® 802.11 or 802.11b
Data Rate:	2 Mbps (frequency hopping) and 11 Mbps (direct sequence)
Frequency Range:	2.4 to 2.5 GHz (varies by country)
Output Power:	100, 250, 500 mW (approximately; varies by country)
Antenna:	Internal, diversity
Spreading Code:	Multiple, software controlled
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
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 min. NiCd, 120 min. NiMH
Four-Slot Cradle:	Equivalent to single-slot functionally without the modem option
Regulatory	
EMI/RFI:	FCC Part 15 in U.S. only, ETSI 300.328 in Europe, RCD STD-33 in Japan

symbol®

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