



PDT 6100 Series Portable Data Terminals

Establishing New Benchmarks in Portable Data Terminals



Building on the legacy of our industry-leading PDT 3100 Portable Data Terminals, the PDT 6100 Series combines superior ergonomics, a high-performance scan engine and optimum battery life to provide you with unsurpassed performance for gathering, displaying and communicating the critical data that drives your business.

Available in both retail and industrial versions, the PDT 6100 Series provides you with broader, more robust bar code-driven data management than ever before.

Superior Ergonomics and Advanced Features

The PDT 6100 Series has been ergonomically designed to provide the maximum in user comfort over extended periods of use. Its small, lightweight, contoured form factor rests easily in the user's hand. The PDT 6100 also allows for both left- or right-handed operation and a choice of conveniently spaced 35- or 46-key alphanumeric or 21-key numeric keyboard configurations for easy input – even for users who need to wear gloves.

The PDT 6100 offers a choice of brightly lit, easy-to-read display options. The 4- or 8-line by 20-character or the 16-line by 21-character liquid crystal display with optional backlighting and adjustable contrast setting allow clear reading. Signature capture is useful for proof-of-delivery and tracking or tracing of goods, parcels, and packages. Each display is scratch-resistant and sealed against moisture and dust.

Premium Scanning Performance

The PDT 6100 incorporates Symbol's standard, high-performance SE 900 Scan Engine – the smallest, lightest and brightest scan engine available today! Just 15% the weight and 20% the size of the SE 1200, it is designed to provide the highest scanning performance in the smallest package possible.

Power When You Need It

The dramatic improvements in the PDT 6100's battery life will pay dividends to your company's data-intensive applications wherever you use them. From retail operations where portable data terminals increase speed and efficiency of shelf pricing, audits, price checking, order entry, and inventory control, to transportation and logistics companies who need to perform package/baggage tracking, picking, receiving and cross-dock applications, the new PDT 6100 NiMH battery gives you longer life for true full-shift capabilities, no matter how intensive the demands.

Tough Enough for Any Environment

The PDT 6100 Series industrial version has the ruggedized housing you need for mobile applications, even in the most demanding indoor or outdoor manufacturing environments. It incorporates IP54 standards for protection against the elements. The PDT 6100's tough construction can easily withstand multiple 4'/1.2 m drops to concrete.

Improved Communication Anywhere in Your Enterprise

The PDT 6100 comes in both batch processing and RF models that employ Spectrum One® or Spectrum24® wireless LAN technologies. This means you have more options for collecting data easily and communicating it to your host computer, and for keeping track of information generated anywhere in your organization. For batch processing applications, you can even choose RAM options from 1.2MB to a powerful 7.6MB.

Profit from Symbol's Strength
Symbol is the worldwide leader in bar code-driven data management systems with more than 30,000 wireless network installations and over 6 million scanners and terminals in use. To find out how the PDT 6100 can work for you, call any of our convenient locations or visit us at www.symbol.com via the Internet.

PDT 6100 Specification Highlights

Physical Characteristics

Dimensions:	PDT 6100 with 4- or 8-line display with 1-D scanning: 2.2" D (at top), 1.5" D (at handle) x 3.25" W (at top), 2.75" W (at handle) x 7.75" H/56 mm D (at top), 38 mm D (at handle) x 83 mm W (at top), 70 mm W (at handle) x 197 mm H
Weight:	15.5 oz./440 gm to 16.9 oz./480 gm

User Environment

ESD:	15KV electrostatic discharge to all surfaces without loss of data
Humidity:	0% to 95% noncondensing at 122°F/50°C
Drop:	Unit functions normally after 4'/1.2 m drop to concrete
Operating Temperature:	32° to 104°F/0° to 40°C (retail configuration); -4° to 122°F/-20° to 50°C (industrial configuration)
Storage Temperature:	-40° to 185°F/-40° to 85°C



Performance Characteristics

Microprocessor:	80c88 type (8MHz/V25)
ROM:	System EPROM 128KB (DOS, BIOS, and terminal diagnostics)
Nonvolatile Memory:	256KB for program storage in a protected area
RAM Memory:	Up to 7.6MB 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, 16-line by 21 characters, supertwist (STN) LCD, back light, reverse video, double-high and double-wide characters
Real-Time Clock:	Time and date stamping under software control; Year 2000 compliant
Interfaces:	DE9: tethered laser scanner or contact wand; RJ-41: for cradle, cable or printer interface

Batch Communications

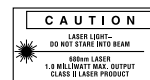
RJ-41:	RS-232-C communications capable of transmission speeds from 150 bps to 38.4 Kbps (software selectable)
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RF Data Communications

	Spectrum One	Spectrum24
Output Power:	250 mW (approx.)	100, 230, 500 mW (approx.) (varies by country)
Antenna:	Internal	Internal, diversity
Frequency:	902-928 MHz spread spectrum modulation	2.4-2.5 GHz spread spectrum modulation (varies by country)
Spreading Code:	Multiple, software controlled	Multiple, software controlled
Data Rate (effective):	60.6 Kbps	1 Mbps
Compliance:	Meets FCC part 15 (for U.S. use only)	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 front shooting, right or left-handed operation; supports one-dimensional bar codes; standard range
Contact Wands:	Including 6 or 10 mil (.15 or .26 mm) aperture choices
Communications/Charging Adapter:	Provides 2 hour 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. NiCad, 120 mins. NiMH
Four-Slot Cradle:	Equivalent to single-slot functionally without the modem option
Power:	3AA alkaline batteries; rechargeable high-capacity NiMH battery pack



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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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