

# PDT 6100 Series



## High Performance Terminal for Mobile Applications

### PORTABLE DATA TERMINALS

#### Rugged Version Available for Demanding Environments

The Symbol 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 two configurations, the PDT 6100 Series provides you with broader, more robust bar code-driven data management capabilities than ever before.

#### Superior Ergonomics and Advanced Features

The PDT 6100 Series has been ergonomically designed to provide maximum user comfort over extended periods of use. Its small, lightweight, contoured form factor rests easily in the user's hand. The adjustable hand strap provides users with a comfortable secure hold. The PDT 6100 allows for both left- or right-handed operation and a choice of conveniently spaced 35- or 46-key alphanumeric or 22-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 8-line by 20-character or the 16-line by 21-character liquid crystal displays feature user-selectable backlighting and adjustable contrast setting. Each display is scratch-resistant and sealed against moisture and dust.

#### Tough Enough for Any Environment

Two versions of the PDT 6100 Series are available, a standard version with a light gray housing and a ruggedized version with a dark gray housing for demanding environments. The ruggedized version is ideal for use in transportation and logistics or manufacturing environments, and withstands multiple 4 ft./1.2 m drops to concrete. The standard version in the light gray housing delivers the same high performance for retail in-store applications.

#### Power When You Need It

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 PDT 6100 NiMH battery gives you long life, for true full-shift capabilities, no matter how intensive the data management demands.

#### Improved Communication Anywhere in Your Enterprise

The PDT 6100 offers either batch processing or wireless communications via Symbol's Spectrum24® wireless LAN



Features	Benefits
Ergonomic design with hand strap	Provides maximum user comfort over extended periods of use
Choice of conveniently spaced 35- or 46-key alphanumeric or 22-key numeric keyboard configurations	Allows for easy input even for users who need to wear gloves
Dark gray ruggedized version available	Tough enough for demanding mobile applications in indoor and outdoor environments
SE 900 scan engine	Provides the highest scanning performance in the smallest package possible
NiMH battery	Long battery life for true full-shift capabilities

technology. Designed to comply with the IEEE 802.11 and 802.11b airwave communications standard, Symbol's Spectrum24 wireless LAN technologies provide unsurpassed performance, reliability and ease of installation and use. This means you have 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, RAM options from 640 KB to 7.6 MB are available.

#### Profit from Symbol's Strength

Symbol is the worldwide leader in bar code-driven data management systems with thousands of wireless network installations and millions of 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.manicon.com](http://www.manicon.com)

# PDT 6100 Specification Highlights

Physical Characteristics	
Dimensions:	PDT 6100 with 8-line display with 1-D scanning: 2.2 in. D (at top), 1.5 in. D (at handle) x 3.25 in. W (at top) 2.75 in. W (at handle) x 7.75 in. 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	
Electrostatic Discharge:	15 KV to all surfaces without loss of data
Humidity:	0% to 95% noncondensing at 122°F/50°C
Drop:	Unit functions normally after 4 ft./1.2 m drop to concrete
Operating Temperature:	Standard Version: 32° to 104°F/0° to 40°C Ruggedized Version: -4° to 122°F/-20° to 50°C
Storage Temperature:	-4° to 185°F/-20° to 85°C
Performance Characteristics	
Microprocessor:	80c88 type (8 MHz/V25)
ROM:	System EPROM 128 KB (DOS, BIOS, and terminal diagnostics)
Nonvolatile Memory:	256 KB for program storage in a protected area
RAM Memory:	Up to 7.6 MB for data and/or program storage
Keyboard:	22-key hard key cap; 35-key, or 46-key conductive rubber; side alpha-shift key and scan trigger
Display:	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:	DB9: tethered laser scanner or contact wand; RJ-41: for cradle, cable or printer interface
Batch Communications	
RJ-41:	RS-232 communications capable of transmission speeds from 150 bps to 38.4 Kbps (software selectable)
RF Data Communications	
Output Power:	100, 230, 500 mW (approx.) (varies by country)
Antenna:	Internal
Frequency:	2.4 to 2.5 GHz spread spectrum modulation (varies by country)
Spreading Code:	Multiple, software controlled
Data Rate (effective):	1 or 2 Mbps—Frequency Hopping, 11 Mbps—Direct sequence
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 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 two-hour charging of NiMH batteries and provides full RS-232 voltages and signals
Single-Slot Cradle:	Full RS-232, 25 pin connector, optional internal modem; rapid charging: 120 mins. NiMH
Four-Slot Cradle:	Equivalent to single-slot functionally without the modem option
Power:	Rechargeable high-capacity NiMH battery pack
Regulatory	
Electrical Safety:	Certified to UL1950, CSA C22.2 No. 950, EN60950/IEC950
Laser Safety:	CDRH Class II, IEC Class 2



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