# 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 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.

| 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 |

### 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.symbol.com/mobile**

# 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<br>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 |
| EMI/RFI: | FCC Part 15 Class A, ICES-003 Class B, European Union EMC Directive, Australian SMA |

N410 CE




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