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 light 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 maximum user comfort over extended periods of use. Its small, lightweight, contoured form factor rests easily in the user’s hand. 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.

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 35% of the weight and 20% of 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
Dramatic improvements in the battery life of the PDT 6100 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 PDT 6100 NiMH battery gives you long life, for true full-shift capabilities, no matter how intensive the demands.

Tough Enough for Any Environment
Sealed for protection against the elements, the PDT 6100 Series light industrial version has the ruggedized housing you need for mobile applications, even in the most demanding indoor or outdoor manufacturing environments. The tough construction of the PDT 6100 can easily withstand multiple 4-ft./1.2-m drops to concrete.

Improved Communication Anywhere in Your Enterprise
The PDT 6100 offers either batch processing or wireless communications via Symbol’s Spectrum24® wireless LAN technology. 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, you can even choose RAM options from 640 KB to a powerful 7.6 MB.

Profit from Symbol’s Strength
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 6100 can work for you, call any of our convenient locations or visit us at www.symbol.com

Features

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ergonomic design</td>
<td>Provides maximum user comfort over extended periods of use</td>
</tr>
<tr>
<td>Choice of conveniently spaced 35- or 46-key alphanumeric or 22-key numeric keyboard configurations</td>
<td>Allows for easy input even for users who need to wear gloves</td>
</tr>
<tr>
<td>Brightly lit scratch-resistant display</td>
<td>Easy to read and protected against dust and moisture</td>
</tr>
<tr>
<td>SE 900 scan engine</td>
<td>Provides the highest scanning performance in the smallest package possible</td>
</tr>
<tr>
<td>NiMH battery</td>
<td>Long battery life for true full-shift capabilities</td>
</tr>
</tbody>
</table>

PDT 6100 Series

SYM-B-8335 PDT6100 DS.xps  1/24/01  10:57 AM  Page 1
### 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 122ºF/50ºC
- **Drop:** Unit functions normally after 4 ft./1.2 m drop to concrete
- **Operating Temperature:** Retail Version: 32º to 104ºF/0º to 40ºC
  - Light Industrial Version: -4º to 122ºF/-20º to 50ºC
- **Storage Temperature:** -40º to 185ºF/-40º to 85ºC

#### 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:** 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)

#### 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 Mbps–Frequency Hopping, 11 Mbps–Direct sequence
- **Compliance:** FCC part 15 in U.S. only, CE TS 100-328 in Europe, RCD STD-33 in Japan

#### Peripherals

- **Optional Laser Module:** Scanning module rotates 180º for front shooting, left or right-handed operation; supports one-dimensional bar codes; standard range
- **Antenna Wands:** Including 5 or 10 mil (.15 or .26 mm) aperture choices
- **Communications/Charging Adapter:** Provides two-hour charging of NiMH batteries and provides full RS-232-C voltages and signals
- **Single-Unit Cradles:** Full RS-232-C, 25 pin connector, optional internal modem; rapid charging: 120 mins. NiMH
- **Data Unit Cradles:** Equivalent to single-unit functionality without the modem option
- **Power:** Rechargeable high-capacity NiMH battery pack

#### Regulatory

- **Electrical Safety:** Certified to UL1950, CSA C22.2 No. 950, EN60950/EC50
- **Laser Safety:** COMH Class II, IEC Class 2
- **EMC:** FCC Part 15 Class A, IEC 61000-3-2, CISPR 22 Class B, European Union EMC Directive, Australian SAA

---

Specifications are subject to change without notice. All product and company names are trademarks, service marks or registered trademarks of their respective owners.