PDT 6100 Series

symbol®

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 15% 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

Features	Benefits
Ergonomic design	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
Brightly lit scratch-resistant display	Easy to read and protected against dust and moisture
SE 900 scan engine	Provides the highest scanning performance in the smallest package possible
NiMH battery	Long battery life for true full-shift capabilities

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**

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:	Retail Version: 32° to 104°F/0° to 40°C Light Industrial Version: -4° to 122°F/-20° to 50°C
Storage Temperature:	-40° to 185°F/-40° 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:	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, 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-C voltages and signals
Single-Slot Cradle:	Full RS-232-C, 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

CN410 CE

CAUTION
LASER LIGHT–
DO NOT STARE INTO BEAM
630nm–680nm LASER
1.0 MILLIWATT MAX. OUTPUT
CLASS II LASER PRODUCT

For system, product or services availability and specific information within your country, please contact your local Symbol Technologies office or Business Partner.

HB 11/00

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