

## PORTABLE DATA TERMINALS

### Advanced Data Collection for Extreme Environments

The PDT 7200 Portable Data Terminal from Symbol Technologies takes portable computing to extreme environments. This lightweight hand-held terminal features a powerful processor and the industry's most innovative productivity enhancements. These include voice paging, touch screen control, and one- and two-dimensional bar code scanning.

Engineered to perform under the harshest operating conditions, the PDT 7200 is packed with features that make it perfect for the most demanding data management environments—in stores, manufacturing plants, warehouses, or on the road. Powering the terminal is a fast, 486-based, 32-bit microprocessor that runs industry-standard Microsoft® MS-DOS or Microsoft Windows® CE. The terminal comes with 8 MB RAM and 8 MB flash for standard DOS applications or 16 MB RAM and 16 MB flash for DOS or Windows CE applications. Storage memory can be expanded via factory-installed industry standard compact flash cards. This assures excellent performance, even when running large applications for data-intensive tasks such as tracking inventory, ordering merchandise or managing material, vehicles and equipment. The PDT 7200 is also built tough to withstand multiple 4 ft./1.2 m drops to concrete.

### Versatile Communications Built-In

An integrated PCMCIA slot and sturdy internal antenna link mobile workers to host-based data and applications over a Symbol Spectrum24® wireless network. With its voice paging capabilities, workers now only need one appliance, the PDT 7200, to stay in touch with associates while collecting data at the point of activity on the sales floor, at the receiving bay, or in the storeroom. The PDT 7200 is equipped with a vibrating pager which can be used to inform the user of successful decode in truck yards, plants and other high-noise areas.

Everything about the PDT 7200 is versatile including data transfer. The terminal communicates directly with a host or peripheral device such as a printer via the built-in infrared (IrDA) communications port. The terminal can also use single or multi-slot cradles to communicate with a host computer, modem, or printer.

### Large Display Plus Touch Screen Control

With the PDT 7200, reading and entering data is easy, even in dimly lit areas or when the terminal is held at arm's length for scanning. The pacesetting top-mounted 1/4 VGA-size liquid crystal display, the largest and brightest in its class, is angled



upward and backlit for comfortable viewing. The display and its convenient built-in touch screen with virtual keyboard are encased in tough polymer that protects them from dust and moisture. The terminal grip has a futuristic handle-forward design and ergonomic contours that fit the hand snugly. At the first stage, the trigger activates the screen, at the second, the scanner.

The standard scan engine in the PDT 7200 is our high-performance SE 2200 that reads both 1-D and 2-D bar codes. The SE 2200 also delivers exceptional scanning performance in an impressively small package—which is just one reason the feature-packed PDT 7200 weighs in at just 21 oz./595 gm (23 oz./652 gm for the wireless model) and stands less than 8 in./20 cm high. The PDT 7200 is also available in models that read bar codes from up to 30 feet.

### “Smart Battery” Delivers Plenty of Power

For maximum operating convenience, the PDT 7200 comes with a high-capacity, quick change 7.2V, 1600 mAH “smart battery” that signals when to recharge. Back-up power maintains data in RAM for up to 10 minutes while the battery is being replaced. The terminal slips into an optional single-slot or multi-slot cradle for battery charging and data transfer. Batteries can also be recharged with the separate multi-slot battery charger.

The PDT 7200 is backed by Symbol Technologies' worldwide service, repair and support network. Symbol systems are critical to business success in data-intensive, time-sensitive environments because our systems help you capture, access and manage information at the point of business activity.

To find out how your company's workforce can be more productive using the lightweight, feature-rich PDT 7200 hand-held terminal, contact any of the convenient locations listed on the back panel or visit us at [www.symbol.com](http://www.symbol.com)

# PDT 7200 Portable Data Terminal Specification Highlights

## Physical Characteristics

Dimensions:	3.7 in. H x 5.9 in. W x 7.8 in. L/9.4 cm H x 15.0 cm W x 19.8 cm L
Weight:	Batch: 21 oz./595 gm with battery; wireless: 23 oz./652 gm with battery and PCMCIA LAN card
Operating Temperature:	-4° to 122°F/-20° to 50°C
Storage Temperature:	-20° to 140°F/-30° to 60°C
Humidity:	95% relative humidity (noncondensing)
Drop:	Multiple 4 ft./1.2 m drops to concrete
Environmental Sealing:	IP64 (industry standard for dust and water sealing)
ESD:	15kv electrostatic discharge to all surfaces without loss of data
Laser Source:	Visible Laser Diode at 650-680 nm
Scan Engines:	SE 1200 High Performance, SE 2200 (1-D and 2-D); SE 1200 ALR (Advanced Long Range)
Display:	1/4 VGA-size transreflective LCD, 240 x 320 pixel resolution, controllable backlight
Touch Screen:	Resistive touch panel, scratch-resistant Mylar overlay
Power:	Quick change, rechargeable 7.2V, 1600 mAh smart battery
Control Switches:	Power ON/OFF, contrast, backlight, alphanumeric toggle
Status Indicator Lights:	Wireless operation, scanning, good decode, battery level

## Computer

Microprocessor:	AMD Elan SC400, 32-bit Am486 CPU, 33/66 MHz
Operating System:	Microsoft MS-DOS Version 6.22, Microsoft Windows CE Version 2.11
RAM Memory:	8 MB Standard for MS-DOS, 16 MB standard for Windows CE
Flash:	8 MB nominal internal flash memory module to 16 MB for Windows CE (factory-installed)
Additional Storage:	Industry standard flash modules available upon request
Real-Time Clock:	Time and date stamping under software control; year 2000 compliant
Interfaces:	Infrared port, IrDA V1.0 standard compatible @ 115.2 Kbps for batch communications

## RF Data Communications

Network:	Spectrum24®
Output Power:	500 mW U.S.; 100 mW international
Data Rate:	1 Mbps, 2 Mbps and 11 Mbps
Spreading Technique:	Frequency Hopping/Direct Sequence (11 Mbps)
Antenna:	Internal
Range:	Open space: up to 1,000 ft./303 m; Typical: 180 ft. to 250 ft./54.5 to 76 m
Hazardous Locations:	FM approved—Non-incendive for use in Class I, Division 2, Groups A, B, C, D; suitable for Class II, Division 2, Groups F, G; suitable for Class III Division 1, 2
Frequency Range:	Country dependent, typically 2.4 to 2.5 GHz
Voice Paging:	Send messages and pages via Spectrum24 network

## Peripherals

Cradles:	Single slot and four-slot cradles available
Printers:	Supports extensive line of Symbol-approved printers, cables and accessories
4-Slot Universal Battery Charger:	Recharges multiple batteries; battery adapter: used with Universal Battery Charger

## Regulatory

EMI/RFI:	FCC Part 15 Class A, European Union EMC Directive, Australian SMA
Electrical Safety:	Certified to UL1950, CSA C22.2 No. 950, EN60950/IEC950
Laser Class:	CDRH Class II, IEC825-1/EN60825-1 Class II

**EN410 CE**



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**Corporate Headquarters**  
**Symbol Technologies, Inc.**  
One Symbol Plaza, Holtsville, NY 11742-1300  
TEL: 1-800-722-6234/1-631-738-2400  
FAX: 1-631-738-5990

**For Asia Pacific Area**  
**Symbol Technologies Asia, Inc.**  
(Singapore Branch)  
Asia Pacific Division  
230 Victoria Street #04-05  
Bugis Junction Office Tower  
Singapore 188024  
TEL: 65-337-6588  
FAX: 65-337-6488

**For Europe, Middle East and Africa**  
**Symbol Technologies**  
EMEA Division  
Symbol Place, Winners Triangle  
Berkshire, England RG41 5TP  
TEL: 44-118-9457000  
FAX: 44-118-9457000

**For North America, Latin America and Canada**  
**Symbol Technologies**  
The Americas  
One Symbol Plaza  
Holtsville, NY 11742-1300  
TEL: 1-800-722-6234/1-631-738-2400  
FAX: 1-631-738-5990

**Symbol World Wide Web Internet Site**  
For a complete list of Symbol subsidiaries and Business Partners worldwide contact us at:  
<http://www.symbol.com>  
E-mail: [webmaster@symbol.com](mailto:webmaster@symbol.com)

