PDT 7200 Series
Portable Terminal for Demanding Environments

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 innovative productivity enhancements including 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 built tough to withstand multiple 4 ft./1.2 m drops to concrete. 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 ROM for standard DOS applications or 16 MB RAM and 16 MB flash ROM for DOS or Windows CE applications. In addition, 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.

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 top-mounted 1/4 VGA-size liquid crystal display 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. The first stage of the trigger squeeze initiates the touch screen, the second stage activates the scanner. The standard scan engine in the PDT 7200 is the Symbol high-performance SE 2200 that reads both 1-D and 2-D bar codes. The SE 2200 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. A version of the PDT 7200 is available that reads bar codes at distances out to 30 ft./9 m.

“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, visit us at 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 (including battery):** Batch: 21 oz./595 gm; wireless: 23 oz./652 gm with battery and PCMCIA LAN card
- **Drop:** Multiple 4 ft./1.2 m drops to concrete
- **Display:** 1/4 VGA transflective LCD, 240 x 320 pixel resolution, controllable backlight
- **Battery:** Quick change, rechargeable 7.2V, 1600 mAH smart battery
- **Environmental Sealing:** IP64 (industry standard for dust and water sealing)
- **Operating Temperature:** -4º to 122ºF/-20º to 50ºC
- **Storage Temperature:** -20º to 140ºF/-30º to 60ºC
- **Humidity:** 95% relative humidity (noncondensing)
- **ESD:** 15kv electrostatic discharge to all surfaces without loss of data
- **Touch Screen:** Resistive touch panel, scratch-resistant Mylar overlay
- **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)
- **Status Indicator Lights:** Wireless operation, scanning, good decode, battery level
- **Control Switches:** Power ON/OFF, contrast, backlight, alphanumeric toggle

Computer

- **Microprocessor:** AMD Elan SC400, 32-bit Am486 CPU, 33/66 MHz
- **Operating System:** Microsoft MS-DOS Version 6.22, Microsoft Windows CE Version 3.0
- **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)
- **Real-Time Clock:** Time and date stamping under software control
- **Interfaces:** Infrared port, IrDA V1.0 standard compatible @ 115.2 Kbps for batch communications

Wireless Data Communications

- **Wireless Local Area Network:** Optimal IEEE standards-based Spectrum24® 802.11 or 802.11b
- **Data Rate:** 2 Mbps (frequency hopping) and 11Mbps (direct sequence)
- **Frequency Range:** Country dependent, typically 2.4 to 2.5 GHz
- **Antenna:** Internal
- **Voice Paging:** Send messages and pages via Spectrum24 network
- **Output Power:** 500 mW U.S.; 100 mW international
- **Range:** Open space: up to 1,000 ft./303 m; Typical: 180 ft. to 250 ft./54.5 to 76 m

Peripherals

- **Cradles:** Single slot and four-slot cradles available
- **Printers:** Supports extensive line of Symbol-approved printers, cables and accessories
- **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
- **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

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