

PORTABLE DATA TERMINALS

Rugged Terminals for Scan-Intensive Applications

The PDT 6800 Series of rugged, portable data terminals combines mobile computing, integrated bar code data capture and optional wireless communications in a lightweight, ergonomic device. PDT 6800 terminals are ideal for data management activities and increase accuracy anywhere along the supply chain. The comfortable, “forward-scanning” design enhances productivity for scan-intensive applications in retail such as inventory management, replenishment and price management. Yet PDT 6800 terminals are also tough enough for applications in harsh environments such as manufacturing, warehousing and distribution.

PDT 6800 terminals are environmentally sealed against severe weather conditions, including dust and rain. They are rugged enough to withstand multiple 4 ft./1.2 m drops to concrete—across the entire operating temperature range; a rubber boot enhances product durability.

Flexible Computing at the Point of Activity

This flexible productivity tool offers features such as standard, long-range, high-visibility, or two-dimensional scanning options and a 35- or 46-key alphanumeric keypad. Additionally, the PDT 6800 is available with wireless local area network (WLAN) connectivity for real-time, high-performance data transfer or extended memory for batch communications with your PC—you choose the right communications capabilities to meet your needs.

Whether users are performing inventory counts, shelf price audits, receiving, stock transfers or markdowns, the improved display is sharper and easier to read—even in full sunlight or in high-intensity, artificial light—for increased productivity. Add WLAN connectivity together with a premium performance scanner and you have a rugged decision support tool for real-time data management. Connect a portable printer and generate bar codes for price markdowns or shelf label changes at the point of activity. What’s more, the PDT 6800 is equipped with a large-capacity battery to ensure ample power for full shift use.



| Features | Benefits |
|---|---|
| Integrated Symbol scan engine | Premium performance 1D or 2D data capture minimizes input error |
| Optional WLAN communications | Efficient real time information exchange for maximum productivity |
| Forward scanning, pistol grip ergonomics | Comfortable and well balanced for scan-intensive applications |
| Reliable, industry standard, DOS-based architecture | Allows for efficient programming and development of data-intensive applications |
| Improved 16-line display (NEW) | Easy to read display for indoor or outdoor use |
| 35 (NEW) or 46-key alphanumeric keypad | Quick and easy data input |
| Sealed to IP54 standards against rain and dust | Terminal can be used in harsh environments |
| Large battery capacity (NEW) | Ample power for a full shift |
| Full line of accessories | Enables an application specific mobile solution |

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 6800 can work for you, call any of our convenient locations on the back address panel, or visit us at www.symbol.com/mobile

PDT 6800 Series Specification Highlights

Physical Characteristics

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|------------------------|---|
| Dimensions: | 7.0 in. H x 3.5 in. W x 8.8 in. L/178 mm H x 89 mm W x 224 mm L |
| Weight: | Batch: 24 oz./672 gm with battery Wireless: 26 oz./728 gm with battery |
| Operating Temperature: | -13° to 122° F/-25° to 50° C |
| Storage Temperature: | -13° to 140° F/-25° to 60° C |
| Humidity: | 95% relative humidity, noncondensing |
| Drop Specification: | Multiple 4 ft./1.2 m drops to concrete |
| Environmental Sealing: | MIL-STD-810E/SAEJ1211/IP54 |
| ESD: | 15KV electrostatic discharge to all surfaces without loss of data |
| Keyboard, Standard: | 35 or 46 large, hard, alphanumeric keys |
| Keyboard, IBM: | 46 key, IBM 5250 or 3270 keypads and overlays |
| Display: | 16-line by 21-character FSTN LCD, back light, reverse video, double-high and double-wide characters |
| Power: | Removable, rechargeable battery pack |

Performance Characteristics

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|--------------------------|---|
| CPU: | 80C88 type @ 8 Mhz |
| Operating System: | DR-DOS |
| ROM: | 128 KB EPROM (DOS, Terminal Diagnostics) |
| RAM: | 640 KB Standard (up to 6.1 MB for batch option) |
| Non-Volatile Memory: | 256 KB Standard (up to 1.2 MB for RF option) |
| Application Development: | Symbol Series 3000 Applications Development Kit |

Wireless Data Communications

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|------------------------------|--|
| Wireless Local Area Network: | Optional IEEE standards-based Spectrum24 802.11 or 802.11b |
| Data Rate: | 2 Mbps (frequency hopping) and 11 Mbps (direct sequence) |
| Frequency Range: | Country dependent, typically 2.4 to 2.5 GHz |
| Output Power: | 500 mW U.S. and 100 mW versions available |
| Antenna: | Internal |
| Range: | 2 Mbps: up to 2000 ft./606 m in open environments and up to 180 to 250 ft./54.5 to 75.7 m in a typical office or retail store 11 Mbps: Open space – up to 1000 ft./303 m; Typical: 180 ft. to Radio; Channel 250 ft./54.5 to 76 m |
| Radio Channel Access Method: | CSMA/CA |
| Ethernet Compatibility: | DIX Ethernet |

Peripherals and Accessories

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|----------------------------|---|
| Cradles: | Single-slot and four-slot cradles available |
| Printers: | Supports extensive line of Symbol-approved printers, cables and accessories |
| Four-Slot Battery Charger: | Recharges multiple batteries |
| Battery Adapter: | Used with Universal Battery Charger |

Regulatory

| | |
|----------------------|---|
| Electrical Safety: | Certified to UL 1950, CSA C22.2 No. 950, EN60950/IEC950 |
| EMI/RFI: | FCC Part 15 Class B, ICES-003 Class B, European Union EMC Directive, Australian SMA |
| Hazardous Locations: | Factory Mutual Approved: Class I, Division 2, Groups A, B, C, D; Class II, Division 2, Groups F, G; Class III, Division 1, 2 Intrinsically Safe for Class I, Division 1, Groups A, B, C, D TUV Certified: EEx ib llc T4 |
| Laser Safety: | CDRH Class II, IEC Class 2 |

EN410 CE



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