## PDT 6800 Series



eatures!



## 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.

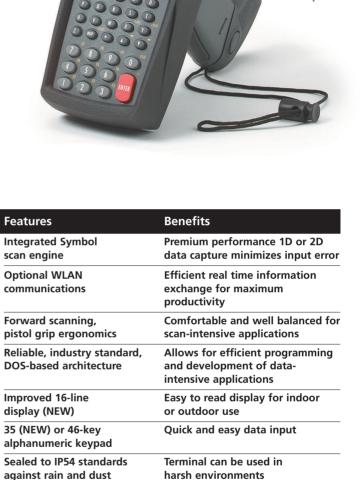
## Flexible Computing at the Point of Activity

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.



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

Ample power for a full shift

**Enables an application specific** 

mobile solution

Large battery capacity

Full line of accessories

(NEW)

## **PDT 6800 Series Specification Highlights**

Physical Characteristics	
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	
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	
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

9	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	
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

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 IIc T4

Laser Safety: CDRH Class II, IEC Class 2

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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

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