

# PDT 8100 Series



## PORTABLE DATA TERMINAL

### Capture, Compute and Communicate with the Power of Pocket PC Touch-Screen Technology and the Versatility of a Keyboard

The PDT 8100 Series from Symbol Technologies bridges the gap between pure key-based and pen-based mobile data collection solutions. Its ergonomic, lightweight design is ideal for route accounting, test and measurement data collection, field sales/service automation, healthcare patient management and a variety of retail applications. The PDT 8100 is sealed to IP54 standards and has a drop spec of 4 feet to concrete, making it rugged enough to meet the demanding needs of these mobile environments. One of the first Pocket PC devices available with traditional touch-screen technology as well as multiple keyboard options, the PDT 8100 expands your capabilities and enhances overall productivity.

### Get a Handle on Mobile Applications

Scan it. Key it. Tap it. The innovative PDT 8100 Series combines the strength of the Microsoft® Pocket PC platform and the power of Intel's StrongARM® processor with Symbol's world-class laser scanning technologies, back-lit keyboard and touch-screen functionality. Multiple data entry modes make the PDT 8100 one of the most versatile mobile computers available. In addition to a choice of 28-, 37- or 47-key configurations, the PDT 8100 offers a large 1/4 VGA display with 16-level grayscale for easy reading – it can even be used to capture signatures. An optional integrated one- or two-dimensional bar code laser scanner with side and center trigger keys makes scanning simple and accurate.

### Expandable Capabilities Future-proof Your Investment

The versatile PDT 8100 Series is designed to keep pace with your business. Fully compatible with standard 32-bit application development tools from Microsoft and third parties, the PDT 8100 is a powerful hand-held data management solution for a multitude of applications. Equipped with 32 MB of RAM and ROM, the PDT 8100 is available in batch, WLAN or WWAN configurations, and may be configured with optional real-time Voice-over-IP capability and additional flash memory in the standard user-accessible Compact Flash card slot. A rechargeable, user-replaceable lithium-ion battery ensures the PDT 8100 is always ready to perform, even through multiple shifts. Add an extensive line of accessories including cradles, cables and cases, and equip your employees with a business tool that will meet their needs today and tomorrow. For more information call +1.800.722.6234/+1.631.738.2400 or visit [www.symbol.com](http://www.symbol.com)



Features	Benefits
Microsoft® Pocket PC Platform	Extremely versatile, easy to use and program
Intel StrongARM® Architecture	High-performance data processing
32 MB RAM, 32 MB ROM	More storage capacity for data and applications
Flexible key configuration (Choice of 28-, 37- and 47-key)	Optimized features, functionality and key layout for mobile applications
Back-lit keyboard and touch-screen data entry	Multiple modes of convenient data input; signature capture capabilities
Integrated laser bar code scanner with side and center scan trigger keys	High-performance 1-D or 2-D bar code scanning
Rugged construction sealed to IP54 standards with 4 ft. drop to concrete	Operates in harsh environments
Optional Spectrum24® wireless communication	Standards-based IEEE 802.11 and 802.11b WLAN technology
Optional Wireless Wide Area Network connectivity	Extends data collection beyond local use to the point of activity
1/4 VGA display with 16-level grayscale	Large, easy-to-read display
User-accessible Compact Flash card slot	Provides flexibility for expansion and storage; protection against data loss
Rechargeable lithium-ion battery	Maximum usage between charges
IrDA port	Enables data transfer to peripherals such as printers

# PDT 8100 Series Specification Highlights

## Physical Characteristics

Operating System:	Microsoft® Pocket PC
Architecture:	Intel SA1110 @ 206MHz
RAM:	32 MB
ROM:	32 MB
Display:	1/4 VGA (320 x 240 portrait) with 16-level grayscale
Back-lit Display:	EL
Back-lit Keyboard:	LED
Keypads:	Choice of 28-, 37-, 47-keys; plus 2 side scan keys
Battery:	1550 mAh lithium-ion
Drop Spec:	4 ft. (1.2 m) to concrete
Operating Temperature:	-4° F to 122° F (-20° C to 50° C) or better depending upon application
Sealing:	IP54
Scanner:	Optional 1-D, 2-D (PDF417 auto raster Corona)
Expansion:	Type 2 PC (internal); Type 2 CF (user-accessible)
WWAN:	Optional (CDPD, GSM, GPRS); user-accessible SIM socket for GSM/GPRS
WLAN:	Optional 802.11 (2 Mbps FH) or 802.11b (11 Mbps DS)
Speaker/Mike:	Yes, plus a headset jack
Voice-over-IP:	Optional with CF card
Communication:	IrDA 1.1; RS-232
Weight:	14.5 oz. (410 gm) w/ battery batch 15.5 oz. (440 gm) w/ battery RF
Dimensions:	Overall: 8.4" L x 3.7" W x 1.8" D / 213 mm L x 93.9 mm W x 45.7 mm D Grip Area: 3.0" W x 1.0" D / 76.1 mm W x 25.4 mm D
Accessories:	<ul style="list-style-type: none"> <li>• 1 slot serial/charge cable</li> <li>• 4 slot Ethernet charge cradle</li> <li>• Vehicle cradle (spare battery charge, terminal charger data interface)</li> <li>• Snap-on MSR</li> <li>• Snap-on land line modem</li> <li>• DEX cable</li> <li>• Auto-charge cable</li> <li>• Serial/charge cable</li> <li>• Printer cables</li> <li>• Carrying case</li> <li>• Portable printer (8.5" format) with terminal slot</li> </ul>

## 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 B, ICES-003 Class B, European Union EMC Directive, Australian SMA

**EN410 CE**



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