PDT 8000

symbol®

Rugged Mobile Computing, Maximum Mobility

The PDT 8000 from Symbol Technologies is a compact, ergonomic Pocket PC mobile computing device with integrated wireless communications and bar code data capture. Created to meet the needs of mobile workers, the PDT 8000 is rugged enough for use anywhere along the supply chain, and provides the speed, power and functionality needed to effectively manage data at the point of activity.

Features and Functionality

The PDT 8000 features the Intel® XScale™ PXA250 processor and the Microsoft® Pocket PC operating system. This combination, plus the custom Symbol ASIC, enables the PDT 8000 to deliver the high performance, low power consumption and fast throughput business applications demand. Flexible memory options, a crisp, color VGA display—the largest available in this product class— and a host of enhanced multimedia capabilities provide the capacity for advanced mobile solutions and application flexibility.

The PDT 8000 offers Wireless Local Area Network (WLAN), Wireless Wide Area Network (WWAN), or Wireless Personal Area Network (WPAN) communication options, enabling the delivery of information when and where it's needed—whether it's checking on an order while at a customer site or downloading route data prior to driver departure. And, with its integrated bar code scanner, touch-screen and 23-key keypad, the PDT 8000 facilitates convenient data management for any job, which translates into increased accuracy and enhanced productivity.

Durable and Dependable

Designed to exceed real-life use and abuse, the PDT 8000 is one of the most rugged handheld computing devices available. It is shock tested and built to survive multiple 5 ft./1.5 m drops to concrete, and sealed against dust and moisture to industry standard IP54. The world-class durability and operational dependability of the PDT 8000 reduces down time and helps ensure maximum return on investment.

Reliability, functionality and flexibility make the PDT 8000 a choice device for mobile businesses in a variety of industries. It is ideal for route accounting and supply chain applications and has quickly become a top mobile solution in retail, government and logistics. An extensive line of accessories and peripherals enables a complete solution for a broad range of application needs.

Features	Benefits
Rugged construction	Durable enough to operate in harsh environments and tolerate the rigors of everyday use
WLAN, WWAN, or WPAN communication	Efficient information exchange for maximum productivity
Integrated Symbol scan engine	High-performance data capture minimizes input errors
Intel® XScale™ PXA250 processor @ 400 MHz	Premium performance and functionality including support for video and audio
Microsoft® Pocket PC 2002	Familiar, flexible platform for users and developers; upgradeable for investment protection
128 MB RAM/64 MB ROM	Ample storage capacity for data and applications
3.9 in./99 mm, ¼ VGA color display	Large, bright, easy to read display for indoor and outdoor use
User-accessible CompactFlash™ card slot	Expand memory or functionality
IrDA and RS-232 ports	Enables data transfer to peripherals such as printers
USB client	"Plug and play" connectivity with USB V1.1

To learn how the PDT 8000 can work for you, or to find out more about Symbol's products and services, contact us at any of the locations listed on the back panel, or visit **www.symbol.com/mobile**

PDT 8000 Series Specification Highlights

Physical Characteristics

Dimensions:	Overall: 7.25 in. L x 3.6 in. W x 1.75 in. D 184 mm L x 91.4 mm W x 44.5 mm D Grip Area: 3.53 in. W x 1.35 in. D 89.7 mm W x 34.3 mm D
Weight (including battery):	17.5 oz /496 g (batch version) 20.8 oz /589 g (wireless version)
Drop Specification:	5 ft. / 1.5 m to concrete
Tumble Specification:	.5M: 3000 Cycles (6000 drops) 1M: 750 Cycles (1500 drops)
Display:	3.9 in./99 mm, ¼ VGA (320 x 240 portrait) with 64k color
Battery:	7.4 V 1130 mAh lithium-ion
Environmental Sealing:	IP54 (industry standard for dust and water sealing)
Operating Temperature:	14º to 122º F/-10º to 50º C (or better depending on the application)
Storage Temperature:	-13º to 158º F/-25º to 70º C
Humidity:	5% to 90% relative humidity (noncondensing)
Electrostatic Discharge (ESD):	8 kVdc air; 4 kVdc contact
Expansion Capabilities:	Type 2 PC (internal); Type 2 CF (user-accessible)
Back-lit Display:	Yes, CCFL (color)
Keypad:	23-key

Performance Characteristics

CPU:	Intel® XScale™ PXA250 @ 400 MHz
Operating Platform:	Microsoft® Pocket PC 2002 Premium Edition
Memory:	128 MB RAM/64 MB ROM
Application Development:	Fully compatible with Microsoft SDK for Pocket PCs; Symbol SDK available to support bar code scanning
Communications:	IrDA 1.1; RS-232, USB V1.1

Wireless Data Communications

Wireless Local Area Network:	Optional IEEE standards-based Spectrum24 802.11b
Wireless Wide Area Network:	Optional GPRS, CDMA, 1XRTT, dual mode WLAN/WWAN
Data Rate:	11 Mbps (direct sequence)
Frequency Range:	Country dependent; typically 2.4 to 2.5 GHz
Output Power:	100 mW U.S.; 100 mW international
Antenna:	WLAN - Internal; WWAN - Internal
Wireless Personal Area Network (WPAN):	Optional 3rd party Socket Bluetooth™ module

Peripherals and Accessories

Cradles:	1-slot serial charge cradle w/spare battery charging; 1-slot modem cradle w/spare battery charging; 4-slot USB/Ethernet charge cradle w/spare battery charging; 4-slot charge cradle with and without spare battery charging; Vehicle cradle (spare battery charge, terminal charger data interface)
Communication and Charging Cables:	DEX cable; auto-charge cable; serial/charge cable; printer cables; USB charge cable
Speaker/Microphone:	Integrated, plus headset jack, voice recognition capable
Magnetic Stripe Reader:	Snap-on serial connection swipe reader attachment
4-Slot Universal Battery Charger (UBC):	Simultaneous charge of 1-4 batteries; requires adapters for PDT 8000 batteries
Other Accessories:	Snap-on land line modem; carrying case; portable printer (8.5 in. format) with terminal slot

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
Laser Safety:	CDRH Class II, IEC Class 2

CN410 **CE**

CAUTION
LASER LIGHT—
DO NOT STARE INTO BEAM
630nm-680nm LASER
1.0 MILLIWATT MAX. OUTPUT
CLASS II LASER PRODUCT

For system, product or services availability and specific information within your country, please contact your local Symbol Technologies office or Business Partner.

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