PDT 8100 Series

symbol®

Tap, Type, or Scan–Maximum Versatility in a Portable Data Terminal

The PDT 8100 Series from Symbol Technologies bridges the gap between pure pen-based and key-based mobile data collection solutions. The first Pocket PC device available with multiple keyboard options, the PDT 8100 is a versatile, large-screen hand-held that delivers the functionality of Pocket PC with the convenience of tactile, key-based data entry.

Understanding and Anticipating Diverse Business Needs

Designed to meet mobile data management demands in an array of markets, the PDT 8100 offers features and options to suit diverse applications and business needs. For instance, multiple keyboard options are available for maximum data entry efficiency in different environments. Route accounting professionals may prefer the 28-key numeric keyboard, whereas retail customers may opt for either a 37- or 47-key alphanumeric keyboard.

Sealed to IP54 standards, the rugged durability of the PDT 8100 meets the needs of many industrial environments. This, coupled with communication options that include batch, Wireless Local Area Network (WLAN) and Wireless Wide Area Network (WWAN) connectivity, enables the PDT 8100 to deliver data where and when it's needed, enhancing productivity where business is conducted–whether taking inventory in the warehouse, or checking on an order from a customer site.

Ease of use and reliability are benefits that are valued across all markets. The PDT 8100 features a large, easy-to-read 1/4 VGA display, backlit keyboard and rechargeable, extended-use lithium-ion battery, which contribute to the PDT 8100's dependability and universal market appeal.

Power and Performance for Today and Tomorrow

The innovative PDT 8100 Series is a powerful hand-held that combines the strength of Microsoft's Pocket PC platform with the power of the Intel® StrongARM processor, operating at 206 MHz. Equipped with 64 MB of RAM and 32 MB of ROM, the PDT 8100 is designed to keep pace with your business: a keyboard and touchscreen provide multiple modes of data entry to ensure maximum efficiency. Reinforcing this are the expansion possibilities offered by the user-accessible CF slot, which can accommodate a flash memory card.

With the dynamic PDT 8100 Series, route accounting professionals are able to conduct business and complete transactions while on site with a customer. Retail clerks can perform price checks and inventory counts conveniently and accurately. When combined with the optional magnetic stripe reader, the PDT 8100 can also be used for line busting or Portable POS

applications. Healthcare workers can manage patient data through bar code scanning, key-based input or touch-screen selection. The list of markets and applications for this feature-rich hand-held is virtually unlimited. To learn how the PDT 8100 Series can work for you, or to find out more about Symbol's products and solutions, contact us at any of the locations listed on the back panel or visit **www.symbol.com**

Microsoft® **Windows**® Powered

Features	Benefits
Microsoft® Pocket PC platform	Portable convenience and a familiar, flexible computing platform
Rugged construction–sealed to IP54 standards with 4 ft./1.2 m drop to concrete	Operates in harsh environments
WLAN or WWAN communication	Anytime, anywhere information access
Symbol's miniature scan engine	High-performance scanning even in bright light
64 MB RAM, 32 MB ROM	Ample storage capacity for data and applications
1/4 VGA display	Large, easy-to-read display (color optional)
Rechargeable lithium-ion battery	Maximum usage between charges
Keyboard and touchscreen data entry	Multiple modes of data entry for maximum efficiency
Multiple keyboard options (Choice of 28-, 37- and 47-key)	Optimized features, functionality and key layout for mobile applications
Back-lit keyboard	Usable under low-light conditions
IrDA port	Enables data transfer to peripherals such as printers
User-accessible Compact Flash card slot	Provides flexibility for expansion and storage; protection against data loss

PDT 8100 Series Specification Highlights

Physical Characteristics

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
Weight (including battery):	14.5 oz./410 g w/battery (batch version); 15.5 oz./440 g (wireless version)
Drop Specification:	4 ft. (1.2m) to concrete
Display:	1/4 VGA (320 x 240 portrait) with16-level grayscale, optional 64k color
Battery:	1550 mAh lithium-ion
Environmental Sealing:	IP54 (windblown dust and rain)
Operating Temperature	
Monochrome:	-4° to 122° F/-20° to 50° C (or better depending on the application)
Color:	32° to 122° F/0° to 50° C (or better depending on the application)
Storage Temperature:	-13° to 122° F/-25° to 50° C
Humidity:	5% to 90% RH noncondensing
Electrostatic Discharge (ESD):	8 kVdc air; 4 kVdc contact
Expansion Capabilities:	Type 2 PC (internal); Type 2 CF (user-accessible)
Back-lit Display:	EL
Back-lit Keyboard:	LED
Keypads:	Choice of 28-, 37-, 47-keys; plus 2 side scan keys

Performance Characteristics

CPU:	Intel SA1110 @ 206MHz
Operating Platform:	Microsoft® Pocket PC
Memory:	64 MB RAM/32 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

Wireless Data Communications

Wireless Local Area Network:	Optimal 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.; 100 mW international
Wireless Wide Area Network:	Monochrome only: Optional CDPD, GSM/GPRS; user-accessible SIM socket for GSM/GPRS
Antenna:	Internal (WLAN), External (WWAN)

Peripherals and Accessories

Cradles:	1 slot serial charge cradle; 4 slot Ethernet charge cradle; Vehicle cradle (spare battery charge, terminal charger data interface)
Communication and Charging Cables:	DEX cable; auto-charge cable; serial/charge cable; printer cables
Speaker/Microphone:	Integrated, plus headset jack
Magnetic Stripe Reader (MSR):	Snap-on serial connection swipe reader attachment
4-Slot Universal Battery Charger (UBC):	Simultaneous charge of 1-4 batteries; requires adapters for PDT 8100 batteries
Other Accessories:	Snap-on land line modem; carrying case; portable printer (8.5" format) with terminal slot; headset

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

℃N410 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.

BUSINESS PARTNER

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