

PDT 8037 and PDT 8056



MOBILE COMPUTERS

When Fast, Easy Access to Mission-Critical Information is Essential

The PDT 8037 and PDT 8056 ruggedized handheld computers from Symbol Technologies deliver powerful mobile data and voice communications with advanced GSM and GPRS Wireless Wide Area Network (WWAN) communications packaged in a Pocket PC device.

With a sleek design and a large, PDA-style color display, the PDT 8037 and PDT 8056 enable user-friendly access to corporate software applications, databases, web-browsers and email—helping you to deliver seamless connectivity to your users, anytime, anywhere.

Market	Applications	User
Transportation and logistics	Package delivery Vehicle status Customer account reconciliation	Delivery drivers Fleet/operations managers
Route accounting	Direct store delivery Delivery status Pre-sales	Truck drivers Sales representatives
Sales force automation	Inventory checks Pricing Order placement Shipment tracking	Sales representatives
Field service automation	Work orders Parts and supply Communications	Service technicians Maintenance personnel

You Make the Choice: GSM/GPRS or Dual-Mode WLAN/WWAN

These versatile handhelds give you the ability to choose the capabilities that best meet your needs. The PDT 8037 and PDT 8056 provide GSM/GPRS connectivity. The PDT 8056 also provides dual-mode connectivity that enables users to seamlessly alternate between Wireless Local Area Network (WLAN) and Wireless Wide Area Network (WWAN) communications. These options allow you to make the most cost-effective choice for your application.

Both the PDT 8037 and PDT 8056 have high-performance Intel® XScale™ processors, 128 MB RAM, large color displays and an extended battery life. The Pocket PC 2002 platform also provides a mobile extension of the Microsoft® Windows® environment and is one of the most robust development platforms available today. A complete line of complementary, application-specific accessories and peripherals is available, including an in-vehicle cradle.

Industrial-Class Tools for Your Mobile Workforce

Symbol Technologies is a global leader in secure mobile information systems that integrate application-specific handheld computers with wireless networks for data and voice and bar



Features

Benefits

WWAN: GPRS and dual-mode GPRS/WLAN support	Anytime, anywhere wireless connectivity beyond the enterprise
User-accessible SD (Security Digital)/MMC (Multimedia) card slot	Lowers risk with compact memory cards that provide data recovery in case of failure
Internal GSM/GPRS antenna	Reduces the possibility of damaging or breaking antenna for higher cost efficiency
3.9 in./99 mm, 1/4 VGA color display	Large, bright easy-to-read display for indoor and outdoor use
Microsoft® Pocket PC 2002 platform	Delivers a familiar, flexible computing platform
Rugged construction—sealed to IP54 standards with 5 ft./1.5 m drop to concrete	Operates in harsh environments, protects against water and dust
GSM/GPRS headset with optional 3 ft./0.9 m extension	Provides hands-free, cellular phone capabilities
128 MB RAM, 64 MB ROM	Increased memory capacity for data and applications
User accessible CompactFlash™ card slot (PDT 8037 only)	Expansion and storage flexibility; protection against data loss
IrDA and RS-232 ports	Enables data transfer to peripherals such as printers
USB client	Plug and play connectivity with USB V1.1

code data capture. Backed by the SymbolCareSM global service and support network, you can deploy the PDT 8037 and PDT 8056 with confidence across your worldwide operations.

For more information, contact us at +1.800.722.6234 or +1.631.738.2400, or visit us on the web at:

www.symbol.com/pdt8037

PDT 8037 and PDT 8056 Specification Highlights

Physical Characteristics

Dimensions:	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):	20 oz/622 g (WWAN version) 24 oz/746 g (WWAN/WLAN 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, 1/4 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:	14° to 122° F/-10° to 50° C (or better depending on the application)
Storage Temperature:	-13° to 158° F/-25° to 70° C
Humidity:	5% to 90% relative humidity (noncondensing)
Electrostatic Discharge (ESD):	± 15 kVdc air; ± 8 kVdc contact
Expansion Capabilities:	Type 2 CF (user-accessible)
Back-lit Display:	Yes, CCFL (color)
Keypad:	23-key

Performance Characteristics

CPU:	Intel® XScale™ @ 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:	GSM/GPRS (8037); dual mode WLAN and GSM/GPRS (8056)
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 (Internal):	GSM/GPRS; Dual mode GSM/GPRS and WLAN
Wireless Personal Area Network (WPAN):	Optional 3rd party Socket Bluetooth™ module (8037 only)

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

EN410 CE



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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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PDT8037-US 04/03

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