PDT 7500 Series

PORTABLE DATA TERMINALS

Microsoft® Windows® Embedded Partner

Power and Performance for Extreme Environments

The feature-rich PDT 7500 Portable Data Terminal from Symbol Technologies thrives in the heat, cold and dust of even the harshest industrial environments. A pioneer in Symbol's line of products for extreme environments, the PDT 7500 is a lightweight handheld terminal with advanced bar code scanning data processing and communications features. Built for productivity and comfort in demanding environments, the versatile PDT 7500 links workers to data and to each other in transportation and logistics environments such as warehouses, docks, yards, and on the road.

Designed for Extreme Environments

PDT 7500 Series terminals meet the most stringent industrial standards and are sealed to IP64 specifications for protection against water and dust. The terminals are fully functional in temperatures ranging from -13º to 122ºF/-25º to 50ºC and can withstand multiple drops of 6ft./1.8 m to concrete.

As innovative as it is rugged, the PDT 7500 delivers the sophisticated ergonomic features customers need. Weighing only 19 oz./532 gm, the terminal is light enough for extended periods of use. The push-button keypad has color-coded keys to facilitate data entry, and the 1/8 CGA screen has a crystal-clear 240 x 160 pixel resolution and a generous 30 character by 20-line display. The backlit display is easily viewed – even in dimly lit areas. The innovative design includes a reverse grip and hand support that can be used in signature capture, important for proof of delivery and for tracking or tracing goods, parcels and packages.

Power and Performance for Large Jobs

The PDT 7500 Series delivers the power and performance required for large jobs. The integrated high-speed SE 2200 scan engine incorporates advanced scanning for 1-D and 2-D bar code data capture. The device reads bar coded shipping manifests and pallet contents at 15 times the speed of most other scan engines. The conveniently placed scan trigger is easy to turn on and off during single-handed use. The optional SE 4200 imager extends the functionality of the PDT 7500 by enabling the device to read matrix and Postal Codes and to capture, view and store images.

Formidable scanning jobs, complex programs and data-intensive tasks such as inventory tracking or materials management are perfect for the PDT 7500. Within its sealed case are a 486-based AMD Elan SC400 microprocessor and a low-power 32-bit single chip/AT-based micro-controller that runs industry-standard MS-DOS or Windows CE applications. Up to 16 MB of RAM and flash memory assure flawless performance regardless of the job size.

Features	Benefits
Ergonomic design	Provides maximum user comfort over extended periods of time
Brightly lit, display with scratch-resistant Mylar overlay	Easy to read even in dimly lit environments
Sealed to IP64 standards	Protected against dust and moisture
SE 2200 scan engine	Provides high speed advanced scanning for fast 1-D and 2-D bar code data capture
Up to 16 MB of RAM and 16 MB of flash memory	Flawless performance regardless of job size

Transmits Data Anytime, Anywhere

The PDT 7500 transmits data on the dock or on the road with batch processing or using wireless local area network (WLAN) or wireless wide area network (WWAN) communications. For maximum operating convenience, the high-capacity lithium ion battery operates for an 8-10-hour work shift and signals the operator when it is time to recharge. An optional free standing or vehicle-mounted cradle is available for battery charging and data transfer.

The PDT 7500 is backed by Symbol Technologies' worldwide service repair and support network. Symbol systems are critical to your business success in data-intensive, time-sensitive environments because our systems help you capture, access and manage information at the point of business activity.

To find out how your company's workforce can be more productive using the rugged state-of-the art PDT 7500 hand-held terminal, contact any of the convenient locations listed on the back panel or visit us at **www.symbol.com/mobile**

PDT 7500 Portable Data Terminal Specification Highlights

Physical Characteristics	
Dimensions:	8.4 in. H x 3.5 in. W x 2.2 in. D/210 mm H x 89 mm W x 56 mm D
Weight:	Batch: 19 oz./532 gm with battery Wireless: 21 oz./588 gm with battery and PCMCIA LAN card
Drop Specification:	Multiple 6 ft./1.8 m drops to concrete (Batch and WLAN); Multiple 5 ft./1.52 m drops to concrete (WWAN)
Display:	1/8 CGA transflective LCD, 240 x 160 pixel resolution, controllable backlight
Battery:	Quick change, rechargeable 7.2V, 1400 mAh smart battery
Environmental Sealing:	IP64 (industry standard for dust and water sealing)
Operating Temperature:	-13° to 122°F/-25° to 50°C
Storage Temperature:	-20° to 140°F/-30° to 60°C
Humidity:	95% relative humidity (noncondensing)
Electrostatic Discharge:	15kv electrostatic discharge to all surfaces without loss of data
Key Pads:	49-key full alphanumeric; 36-key alphanumeric toggle; 25-key numeric-only
Touch Screen:	Scratch-resistant Mylar overlay
Laser Source:	Visible Laser Diode at 650-680 nm
Scan Engines:	SE 2200, SE 1200 High Performance, SE 4200 (Imager)
Status Indicator Lights:	Wireless operation, good decode, battery level
Control Switches:	Power ON/OFF, contrast, backlight, alphanumeric toggle

Performance	
Microprocessor:	AMD Elan SC400, 32-bit Am486 CPU, 33/66 MHz
Operating System:	Microsoft MS-DOS 6.22, Microsoft Windows CE 2.11, Microsoft Windows CE 3.0
RAM Memory:	4 MB, 8 MB or 16 MB standard for MS-DOS, 16 MB standard for CE 2.11/3.0
Flash:	4 MB, 8 MB or 16 MB nominal internal flash memory module
Real-Time Clock:	Time and date stamping under software control
Interfaces:	Infrared port, IrDA 1.0 standard compatible @ 115.2 Kbps for batch communications

Wireless Data Communications	
Wireless Local Area Network:	Optimal IEEE standards-based on 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 2.5GHz
Output Power:	500mW US, 100mW International
Wireless Wide Area Network:	DataTac
Antenna:	Internal (WLAN), External (WWAN)

Peripherals	
Cradles:	Single-slot cradle, four-slot cradle and vehicle cradle available for charging and serial (RS-232) communications
Printers:	Supports extensive line of Symbol-approved printers, cables and accessories
4-Slot Universal Battery Charger:	Recharges multiple batteries

Regulatory	
EMI/RFI:	FCC Part 15 Class A, EMC Directive, Austrailian SMA
Laser Class:	CDRH II, IEC825-1/EN60825-1 Class II
Electrical:	UL1950, CSA C22.2 No. 950, EN60950/IEC950

N410 CE

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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