PDT 7500 Series

PORTABLE DATA TERMINALS

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.

One of the pioneers in Symbol's line of products for extreme environments, the PDT 7500 industrial terminal, is a light-weight hand-held 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 even 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 up to 6 ft./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 display is backlit so it is easily viewed – even in dimly lit areas. Symbol's 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 terminals in the PDT 7500 Series are designed to have the power and performance to handle large jobs. The integrated high-speed SE 2200 scan engine incorporates advanced scanning for fast 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.

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 fast, state-of-the art, 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 many Windows CE applications. Up to 16 MB of RAM and 16 MB of flash memory, among the largest data storage capacities available, assure flawless performance regardless of the job size.

Features	Benefits
Ergonomic design	Provides maximum user comfort over extended periods of time
Brightly lit, scratch-resistant Mylar display	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 either batch processing or RF models that support Spectrum24® wireless LAN technology or Wide Area Networks (WANs). 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 for a recharge. The terminal slips into an optional free-standing or vehicle-mounted cradle for battery charging and data transfer.

The PDT 7500 is backed by a worldwide service repair and support network offered by Symbol Technologies. 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 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**

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
Laser Class:	CDRH Class II, IEC825-1/EN60825-1 Class II
Laser Source:	Visible Laser Diode at 650-680 nm
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)
Drop:	Multiple 6 ft./1.8 m drops to concrete (batch and WLAN); Multiple 5 ft./1.52 m drops to concrete (WWAN)
Environmental Sealing:	IP64 (industry standard for dust and water sealing)
ESD:	15kv electrostatic discharge to all surfaces without loss of data
Display:	1/8 CGA transflective LCD, 240 x 160 pixel resolution, controllable backlight
Touch Screen:	Scratch-resistant Mylar overlay
Power:	Quick change, rechargeable 7.2V, 1400 mAH smart battery
Control Switches:	Power ON/OFF, contrast, backlight, alphanumeric toggle
Key Pads:	49-key full alphanumeric; 36-key alphanumeric toggle; 25-key numeric-only
Status Indicator Lights:	Wireless operation, good decode, battery level
Performance	
Microprocessor:	AMD Elan SC400, 32-bit Am486 CPU, 33/66 MHz
Operating System:	Microsoft MS-DOS Ver. 6.22, Microsoft Windows CE Ver. 2.11
RAM Memory:	4/8 MB standard for MS-DOS expandable to 16 MB as factory configuration; 16 MB standard for CE
Flash:	4 MB nominal internal flash memory module expandable to 16 MB as factory configuration
Real-Time Clock:	Time and date stamping under software control; year 2000 compliant
Interfaces:	Infrared port, IrDA V1.0 standard compatible @ 115.2 Kbps for batch communications
WAN Communications:	GSM, DataTac, and CDPD
RF Data Communications	
Network:	Spectrum24®
Output Power:	500 mW U.S.; 100 mW international
Data Rate:	2 Mbps and 11 Mbps
Spreading Technique:	Frequency Hopping: 2 Mbps; Direct Sequence: 11 Mbps
Antenna:	Internal
Range:	Open space: up to 1,000 ft./303 m; Typical: 180 ft. to 250 ft./54.5 to 76 m
EMI/RFI:	FCC part 15 Class A, EMC Directive, Australian SMA
Electrical:	Certification pending to UL1950, CSA C22.2 No.950, EN60950/IEC950
Frequency Range:	Country dependent, typically 2.4 to 2.5 GHz
Peripherals	
Scan Engines:	SE 2200, SE 1200 High Performance, SE 4200 (Imager)
Cradles:	Single cradle, four-slot cradle and vehicle cradle available
Printers:	Supports extensive line of Symbol-approved printers, cables and accessories
4-Slot Universal Battery Charger:	Recharges multiple batteries; battery adapter: used with Universal Battery Charger
Regulatory	
EMI/RFI:	FCC Part 15 Class A, EMC Directive, Australian SMA
Laser Class:	CDRH II, IEC825-1/EN60825-1 Class II
Electrical:	Certification pending to UL1950, CSA C22.2 No. 950, EN60950/IEC950

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.

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