



PPT 4600 Series Portable Pen Terminals with Integrated Scanners

Ruggedized Pen-Based Systems with Advanced Scanning
and Wireless Communications



'96 INDUSTRIAL DESIGN EXCELLENCE AWARDS



The Data Capture and Decision Support Tool That Goes Where You Go

Introducing the PPT 4600 Series of Portable Pen Terminals with Optional Integrated Scanners from Symbol Technologies. Designed for high-performance data management applications where mobility is a must and the environment is often tough, the PPT 4600 Series is ideal for transportation, courier and route accounting companies, utilities, warehousing and distribution operations. It's equally valuable for public safety organizations, health care facilities, retailers and others whose need for data can't be confined to controlled environments.

That's because the PPT 4600 Series is rugged, reliable and powerful. It's available in a range of models to meet your current application needs, and it expands easily as your requirements change. It offers 486 performance to support popular DOS and Windows® applications, plus a selection of communications and data collection options. Yet it's easy to learn and easy to operate.... A comfortable, lightweight ergonomic design makes the PPT 4600 a truly portable productivity tool.

What's more, the PPT 4600 Series is designed, built and supported by Symbol Technologies. Symbol understands how important your strategic vision is to the future of your enterprise in today's demanding business environment. All too often, however, what you see lies beyond the reach of ordinary information technology. Symbol's innovative products, industry systems expertise and global support overcome those boundaries...and transform your vision into a vision without boundaries.



Flexible and Expandable to Meet Your Exact Needs

Through a powerful standard feature set and a selection of high-performance options, the PPT 4600 can be configured to meet any application requirements. Two screen sizes are available: a 5.6"/14.2 cm diagonal model and a larger 7.8"/19.8 cm diagonal version. Both screens integrate pen/touch capabilities to support Graphical User Interface (GUI) applications. MS-DOS® is installed and Microsoft® Windows® for Pen Computing is available to ensure your applications run in today's most popular environments.



Mobile data capture is all-important for transportation companies.

This breakthrough series of portable terminals redefines ergonomics. The PPT 4600 is extremely lightweight and perfectly balanced for extended use without operator fatigue or motion injury. An adjustable leather strap and rotating scan head ensure equal comfort and ease of use for right- and left-handers.

A range of communications and data capture options lets you configure the product that is exactly right for you. Radio frequency (RF) communications is available for wireless connection with local area networks (LANs) and wide area networks (WANs).



Data capture options include pen-input as well as traditional one-dimensional linear bar code scanning. You can also opt to capture the benefits of PDF417, the two-dimensional symbology which carries up to 1.1 kilobytes of machine-readable data in a space no larger than a standard bar code. Unlike traditional one-dimensional bar codes, which depend on real-time links to a larger database, PDF417 symbols are the database, so they go anywhere and on almost anything – from paper to parts to packages. Another option, a magnetic stripe reader, may also be incorporated in either PPT 4600 Series model, making them ideal for ID and other “card” applications.



Ticket issuance is one of many public safety applications.

The PPT 4600 Series features two easy-to-read screen sizes: 5.6"/14.2 cm diagonal or a larger 7.8"/19.8 cm diagonal version.

Starting at less than 2 pounds/900 grams, the PPT 4600 is one of the lightest products in its class and is ergonomically designed for comfortable single-handed use over an extended period of time. Fits snugly in the palm.

Optional rotating scan head facilitates use in either hand and allows users to adapt to the requirements of individual jobs.

Battery slides in here. With 6- to 8-hour battery life, operators will spend their time using PPT 4600 Series Terminals – not recharging them.

Adjustable strap and triggers on both sides allow right- or left-handed use with equal ease and comfort. Strap also lets users relax their grip, reducing the fatigue associated with repetitive tasks.

Rugged construction, sealed case and advanced design allow the PPT 4600 Series to withstand repeated 6.6-foot/2-meter (half screen model) drops to concrete without damage to the display, scanner or frame, and protects against extreme conditions, including wind-blown rain and dust.

Both models offer the power of a 486 processor (up to 50 MHz), 2 MB or 4 MB flash memory, 2 MB to 16 MB onboard RAM, plus the ability to accommodate future expansion.

Icons control power status, speaker volume, backlight level and screen contrast.

Touch or pen-based input combined with Graphical User Interface (GUI) techniques provide intuitive, point-and-click operation and the ability to capture signatures. Ideal for applications involving transactions, confirmations and approvals.

Back-lit screen is easy to read for improved productivity and reduced eye fatigue – even in warehouses, trucks and other poorly lighted environments.

Type II and Type III PC card slots support quick, easy expansion.

All PPT 4600 Series products are designed, built and supported by Symbol Technologies, the world leader in bar code-driven data management systems, with consultations from industry experts, including ergonomists, kinesiologists, and our customers to bring you the best, most advanced portable terminals possible.



The PPT 4600 Series is the perfect solution for all kinds of applications in all kinds of environments. For example:

Transportation companies – looking for a flexible tool to track shipments, capture signatures and much more will find the PPT 4600 goes where the goods go. Add PDF417 or vehicle mounted cradle options for even more freedom and productivity.



Fair weather or foul, utilities can be assured of dependable performance.

Utilities – are assured of performance that's predictable and reliable day-in and day-out – even when the weather's not – because of the PPT 4600 Series' rugged construction and sealed case.

Public safety agencies – appreciate the PPT 4600 Series' combination of light weight and rugged durability. Both models are comfortable for the user, but designed for heavy duty in a wide range of applications, including vehicle identification, ticketing and crime scene investigation.

Warehouse and distribution operations – receiving, tracking, sorting, storing and retrieving are just some of the functions that will be faster, easier and more accurate with the help of the PPT 4600 Series capabilities. The back-lit screen is easy to read, even under dim lighting conditions.

Retail organizations – access databases remotely using the PPT 4600 with RF capabilities for on-the-floor product information and sales transactions, as well as inventory control and stock management.

Health care facilities – add RF capabilities to the PPT 4600 and patient identification, prescription and diagnostic information is available where and when it's needed most.



Retailers benefit from increased customer service and satisfaction.

Rugged, reliable and flexible, Symbol Technologies' PPT 4600 Series of Portable Pen Terminals with Optional Integrated Scanners gives you everything you need for the ultimate in data collection and transmission on the go. They're the best portable productivity tools for your business – today and tomorrow – in the palm of your hand.

PPT 4600 Series Options

Feature	Benefit
Data collection options: pen-only, linear bar code (1-D) and PDF417 scanning	Input, scanning and swipe options to meet the user's exact data capture needs. Options include: Standard ID, Long Range, High Visibility, Klasse Eins, and PDF417.
Communications options include Spectrum24® radio cards with integrated antenna for durability and different wide area networks such as RAM, Mobile Data, and CDPD Cellular Cards.	Gain the freedom, flexibility and productivity of wireless communications with proven, widely accepted RF technology. Ideal for weigh stations, loading docks, garages and other remote locations, and vitally important for public safety and trucking applications.
Wired modem	Supports remote communications, including wired communications.
Vehicle mount or depot cradles can be chained in a series.	For storage and data transfer; holds the PPT 4600 securely when not in use. Terminal cradle provides battery charging. Up to 60 depot cradles.
Holster	Comfortable, adjustable holster provides storage and protection for the PPT 4600 when it's not in use; allows easy access to terminal. Ideal for foot patrol, retail floor and other on-the-go applications.

PPT 4600 Series Specification Highlights

Physical Characteristics	
Half Screen:	Weight: 30 oz./851 gm with battery, add 5-7 oz./142-198 gm for scanner options; Size: 5.4" W x 9.6" L x 3.5" D/13.72 cm W x 24.4 cm L x 9 cm D; Display: 320 X 480 VGA, (5.6"/14.2 cm diagonally), back-lit, 16 level gray scale
Full Screen:	Weight: 36 oz./1022 gm with battery, add 5-7 oz./142-198 gm for scanner options; Size: 8.8" W x 9.6" L x 3.5" D/22.4 cm W x 24.4 cm L x 9 cm D; Display: 640 X 480 VGA, (7.8"/19.8 cm diagonally), back-lit, 16 level gray scale
Performance Characteristics	
Touch Panel:	Resistive, 180 dots per inch/70 dots per cm
Pen:	Passive
Processor:	486 SLC/25 MHz or 486 SLC/50 MHz
Memory:	2 MB or 4 MB Flash, 2-16 MB RAM
PCMCIA Slots:	One Type II and one Type III
Communication Ports:	Infrared RS-232, physical RS-232, second physical RS-232 optional
Software	
System:	Microsoft DOS, Microsoft Windows for Pen Computing optional
Application Development:	C, C++, PenPal, PenRight!, Visual Basic, Powerbuilder
Power	
Battery:	Lithium Ion: Recharge time 2 hours
Backup Battery:	Rechargeable Lithium
User Environment	
Drop Spec:	Half screen: 6.6 ft./2 m to concrete; Full screen: 3.3 ft./1 m to concrete
Sealing:	Mil STD 810E, IP 54
Operating & Storage Temperature:	-4° to 122°F/-20° to 50°C
Hazardous Locations:	FM approved as nonincendive for Class I, Division 2, Groups A, B, C, D; suitable for Class II, Division 2, Groups F, G; suitable for Class III, Division 1, 2, hazardous locations
EMI/RFI:	FCC Part 15 Class A, EMC Directive, Australian SMA (C-Tick)
Electrical:	Certification to UL1950, CAS C22.2 No. 950, EN60950/IEC950



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



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