

TRANSACTION SYSTEMS

Build Customer Loyalty with Every Transaction

The PD 8500 interactive color payment device from Symbol Technologies provides advanced capabilities that include debit, credit and electronic benefit transfer (EBT) transactions. To comply with Visa® PED requirements, the PD 8500 supports secure personal identification number (PIN) debit transactions and also features signature capture and line item display.

The PD 8500 offers a standards-based operating system and a bundled payment application for ease of deployment and maintenance. Its color display and pressure sensitive touch screen engage users with intuitive messages, prompts and attractive promotions to reinforce brand messages at the point of sale.

Market	Applications
Retail general merchandise and specialty stores	Point of sale transactions (credit and debit) Signature capture Scrolling display Loyalty marketing and advertising
Retail food and drug	Point of sale transactions (credit, debit and EBT) HIPAA compliance
Healthcare	Electronic document with signature capture for HIPAA compliance
Banking	New account applications Account access validation Cash withdraw authorization Safe deposit access
Government	Identification and security access control

Versatile Features for Easy Integration

Using the industry standard Microsoft® Windows® CE.NET architecture and Symbol posDesigner visual development software, customized application development on the PD 8500 is fast and easy. A software developers' kit (SDK) is also available for integrating the PD 8500 into major point of sale and point of service systems.

Once deployed, advanced features such as palm rejection and triple DES (TDDES) make the PD 8500 more reliable and secure. Palm rejection technology distinguishes between the pen and the hand for higher quality electronic signature capture. The PD 8500 also supports TDDES PIN encryption – a higher level of security for your debit payment applications and a key component of Visa PED compliance. Its standards-based architecture and rich feature set make the PD 8500 one of the most powerful and flexible transaction payment terminals available today.

End-to-End Retail Solutions to Serve Your Customers Better

The PD 8500 payment terminal uniquely improves the customer check out experience, while it reduces transaction and payment-related costs at the point of sale. You can deploy the PD 8500 with



Features	Benefits
Microsoft Windows CE .NET	Standards-based operating system avoids constraints and higher cost of application maintenance associated with closed, proprietary operating systems
Signature capture and virtual PIN pad	Provides multiple payment options including credit and debit
Pressure-sensitive touch screen	Low maintenance and high uptime performance; eliminates replacement and repair costs for electronic pens
Complete and easy to use software developer's toolkit	Seamless integration with major PC or POS platforms
Large and vibrant color backlit display	Ability to display high quality images for consumers; easy to see in dim or well-lit areas; durability to withstand everyday, all-day use
High-performance 32-bit processor	Delivers the speed and performance required to process transactions
Built-in 3-track magnetic stripe reader (MSR)	Ability to read a variety of magnetic stripe cards including credit and debit
Optional software suite based on OPOS and JPOS standards; C/C++, Java or Visual Basic programming languages	The tools you need for fast and easy development of applications

confidence because it's from Symbol Technologies—a global leader in advanced data capture and transaction devices, rugged mobile computers, wireless networking and mobility software—with proven systems at work in millions of locations around the world.

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/PD8500.

PD 8500 Specification Highlights

Physical Characteristics

Dimensions:	9.0 in. L x 7.25 in. W x 2.88 in. H/ 230 mm L x 180 mm W x 70 mm H
Weight:	2 lb 6 oz/1.077 kg
Display:	High contrast, color backlit LCD
LCD Size:	4.5 in. L x 3.5 in. W; 5.7 in. diagonal/ 114.3 mm L x 88.9 mm W; 144.8 mm diagonal
LCD Resolution:	Color 1/4 VGA, 320 L x 240 W
Touch Pad:	Resistive, transparent, pressure sensitive technology
Touch Pad Resolution:	1024 x 1024 x, y coordinates; 207 Hori. x 286 Ver. dpi

Power Requirements:	Regulated 12V DC, 1A rating
Power Source:	12V DC regulated, 115V/230V AC universal power supply 12V DC regulated from ECR
Terminal Interface:	RS-232 port; one self-powered USB slave port
Network Connectivity:	PCMCIA Type II adapter; onboard 10-Base T Ethernet TCP/IT

Performance Characteristics

Memory:	ROM: 16MB Flash Memory RAM: 64MB SDRAM
Magnetic Stripe Reader:	Bi-directional 3 track reader
Security:	DES and Triple DES PIN Encryption with Master/Session or DUKPT for key management
Firmware:	Microsoft Windows CE.NET 4.2 operating system Payment application: posPortal
Script Development	Application development tool: posDesigner Formats supported: JPEG and GIF

Peripherals and Accessories

SDK Suite (Optional):	posBuilder - Win32: Windows 2000/XP - DOS - Linux: Redhat 7.0+
	IBM 4690
	OPOS - Windows 2000/XP
	JPOS - Sun/IBM JVM
	Signature Compression - SIG and CMP

Regulatory

Electrical Safety:	CE, UL
EMI/RFI:	FCC Class B, CISPR B

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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