PD8750 Series

Interactive Color Payment Systems

FEATURES

Bi-directional, dual-head, 3-track magnetic stripe reader (MSR); dedicated MSR processor
Provides fast, accurate processing, regardless of which way the card is swiped

Advanced hardware and software architecture; high-performance 32-bit processor
Delivers the speed and performance required for rapid data transmission

Signature capture and virtual PIN pad
Provides multiple payment options including credit and debit

Capacitive touch screen
Provides high performance signature capture in high-volume retail environments

Hardened glass top
Provides superior visibility and scratch resistance

Build customer loyalty with every transaction

Motorola's PD8750 is a high performance, highly secure, interactive color payment device that not only provides fully integrated debit, credit, smart card and contactless payment capabilities, but also allows you to create customer-oriented, non-payment applications, such as instant credit, HIPAA compliance and digital advertising. The 5.7" active matrix TFT color display presents vibrant, high quality images that are easy to see in dim or well-lit areas, and the capacitive glass touch screen, which supports both finger and stylus pen touch, delivers both high quality signature capture and reliable PIN entry. PCI PED and Interac Certified, the multi-functional PD8750 improves the customer checkout experience while it reduces transaction and payment-related costs.

Fast, secure payment processing

Engineered to speed your customers through the checkout, the PD8750's bi-directional, dual-head, 3-track magnetic stripe reader (MSR) and dedicated MSR processor ensure fast, accurate transaction processing, regardless of which way the card is swiped. The combination of advanced communications options, including RS-232, non-powered and powered USB, and Ethernet, and Intel XScale 32-bit processor enable rapid data transmission. To ensure the utmost data security, the PD8750 employs an advanced standards-based POS Public Key Encryption, which uses the RSA algorithm to protect against unauthorized applications and PIN compromise attacks.

Easy integration

Integration, as well as updates to transaction flow and screen content, can be achieved faster and at less expense with the PD8750, thanks to the flexible Forms Processing Engine (FPE). FPE is supported by FormBuilder, an intuitive development tool that lets you create standard and custom user screens. OPOS, JavaPOS and direct command interfaces, as well as flexible communications options, further facilitate integration.

Lower TCO, increased revenue

Robust, capacitive glass touch screen, proven to provide high performance signature capture in high-volume retail environments, ensures value and reliability with the lowest maintenance and repair costs in the industry. Electronic signature capture with the PD8750 also helps reduce the operating and administrative costs associated with paper-based systems, and, since you can retrieve virtually all transaction information instantly, you can also reduce chargeback costs.

Large, vibrant color backlit display
Displays high quality images for consumers; easy to see in dim or well-lit areas; durability to withstand everyday, all-day use

Forms Processing Engine and FormBuilder screen custom development tool
Provides the ability to create custom user interfaces such as credit applications, loyalty card sign-up, digital signage and other store advertising

Variety of communications and connectivity options
Ensures compatibility with all host systems

Full complement of Windows-based simulator and GUI development tools
Enables fast and easy integration and rapid prototyping

For more information about how Motorola's PD8750 improves the customer checkout experience, while reducing transaction and payment-related costs, access our global contact directory at www.symbol.com/contact or visit us on the web at www.symbol.com/pd8750.

PD8750 Series Specifications

Physical Characteristics	
Dimensions:	8.39 in. L x 8.19 in. W x 3.46 in. H 21.30 cm L x 20.8 cm W x 8.8 cm H
Weight:	1 lb 9 oz/0.86 kg
Display:	High contrast, 5.7 in. VGA color active matrix TFT LCD
LCD Resolution:	Color 1/4 VGA, 320 L x 240 W, 65,536 colors
Touch Pad:	Capacitive glass
Power Source:	AC: 100-240 V, 50/60 Hz DC: 12V @ 700mA or 24 V @ 350mA
Communications:	Two RS-232 ports (if contactless payments reader is configured, only one RS-232 port is available);12v/24v powered USB ports; optional 10/100 Base-T Ethernet RJ-45 connector
Performance Characteristics	
Processor:	Intel XScale 200MHz, 32-bit processor
Memory:	8MB Flash/16MB SDRAM 16MB Flash/32MB SDRAM (option)
Card Reader:	*Magnetic stripe:* Bi-directional, dual-head, 3-track reader (standard) *Smart card (optional):* EMV 4.1; ISO-certified; non-captive 7816; 3v and 5v cards; three SAM sockets *Contactless payment:* Integrated (optional); compliant with ISO 14443 A & B
Encryption:	*DES:* PCI PED approved; PIN-ANSI X9.8, MAC-ANSI X9.9 Part 1-ANSI X9.24 *Triple DES:* ANSI X9.52 *Key management:* DUKPT and master/session keys
Screen Development:	FormBuilder application development tool

Peripherals and Accessories	
SDK Suite:	FPE Developers Toolkit: • Win32: Windows 2000/XP • DOS • IBM 4690/IBM EFT Protocol • OPOS • JPOS
Regulatory	
Electrical Safety:	CE, UL
EMI/RFI:	FCC Class B, CISPR B
Environment	
Temperature:	32° to 115° F/0° to 45° C
Humidity:	Maximum 85%, non-condensing
ESD:	12,000 volts

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