PD4700

Payment System

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

Splash-resistant physical keypad with integrated privacy shield
Maximizes uptime while providing enhanced customer privacy during PIN entry

Six screen-addressable function keys; Forms Processing Engine; FormBuilder development tool
Facilitates integration and the creation of custom screens

Cost-effective transaction management system

Motorola's PD4700 is a high performance, highly secure payment device that provides fully integrated debit, credit, smart card and contactless payment capabilities. With a 160 x 80 monochrome display, the PD4700 provides sharp, on-screen graphics at an economical price point. The six screen-addressable function keys make it easy to program terminals, and the durable splash-resistant fixed keypad includes an integrated privacy shield to protect customers from prying eyes during PIN entry. PCI-PED-certified and California ADA-compliant, the PD4700 delivers payment flexibility and fast checkout to your customers while enhancing your revenue generation and cost reduction efforts.

Fast, secure payment processing

Engineered to speed your customers through the checkout, the PD4700'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, Powered USB and Ethernet, and Intel XScale 32-bit processor enable rapid data transmission.

To ensure the utmost data security, the PD4700 employs an advanced standards-based POS Public Key Encryption, which uses the RSA algorithm to protect against unauthorized applications and PIN compromise attacks. And the durable, splash-resistant fixed keypad includes an integrated privacy shield to further protect consumer privacy during PIN entry.

Easy integration

Integration, as well as updates to transaction flow and screen content, can be achieved faster and at less expense with the PD4700, thanks to the robust, flexible Forms Processing Engine (FPE). FPE is supported by FormBuilder, an intuitive visual 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 with your existing POS systems or those you might migrate to in the future.

For more information about how Motorola's PD4700 improves the customer checkout experience, while reducing transaction and payment-related costs, contact us at +1.800.722.6234 or +1.631.738.2400, or visit us on the Web at www.symbol.com/pd4700

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

PD4700 Specifications

Physical Characteristics	
Dimensions:	8.22 in. L x 6.06 in. W x 2.36 in. H 20.9 cm L x 15.4 cm W x 6.0 cm H
Weight:	1.29 lbs/0.59 kg
Display:	Backlit monochrome LCD; 160 x 80 pixels
Keypad:	13 color-coded keys; splash-resistant; hard keycaps; six screen addressable function keys; attached privacy shield
Power Source:	*AC:* 100-240 V, 50/60 Hz *DC:* 12V @ 700mA or 24 V @ 350mA
Communications:	Mini-DIN port: RS-232 asynchronous; Client USB IBM-retail with power-in (12/24v); 10/100Base-T Ethernet RJ-45 connector
Buzzer:	4.0 KHz (peak) 70 dB minimum level at 1 ft.

Performance Characteristics	
Processor:	Intel XScale 200MHz, 32-bit processor
Memory:	4MB Flash/8MB SDRAM (standard)
Card Reader:	*Magnetic stripe:* Bi-directional, dual-head, 3-track reader (standard) *Smart card (optional):* EMV level-1; ISO 7816; non-captive; 3v and 5v cards; two 5v SAMs *Contactless payment:* Integrated (optional); compliant with ISO 14443 A & B; supports American Express, MasterCard and Visa
Encryption:	*DES:* Visa 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
Reliability:	100,000 hours (MTBF calculated)
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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