Motorola Snap-on Mobile Payment Module with Chip and PIN

FEATURES:

3-in-1 payment transaction
Enables online and offline processing of virtually any kind of credit or debit with chip and PIN card technology; required PIN entry reduces payment card fraud

Bi-directional, 3-track magnetic stripe reader
Allows processing of virtually any kind of card with a magnetic stripe – credit cards, debit cards, loyalty and gift cards and more; easy to use — cards can be scanned from right or left

Business-essential rugged design
Delivers reliable performance despite everyday use in virtually any environment; industry leading drop and tumble impact tests

Microsoft® Windows Mobile® operating system
Familiar open-standards environment; easy application porting maximizes the value of your software development investment, minimizing development time and costs

Robust, anytime, anywhere mobile point of sale

The Motorola Snap-On Mobile Payment Module with Chip and PIN turns your Motorola MC70/MC75 mobile computer into a mobile point of sale (MPOS) solution, enabling employees and associates inside and outside the four walls to improve service, productivity and sales in retail stores, hotels, car rental agencies, package delivery routes and more. This versatile device allows businesses to process payment cards from around the world — including Chip and PIN-based credit and debit cards as well as credit, debit and loyalty cards with a magnetic stripe. The MC70/MC75 provide secure wireless LAN (WLAN) and wireless WAN (WWAN) connections to EFT and merchant clearing applications, CRM and other backend systems that are compliant with PCI PED, EMV and industry regulations, providing on-the-spot convenient transaction processing as well as protection for sensitive customer financial data. And the MC70/MC75 also offer easy integration into your existing technology infrastructure and rapid porting of existing applications, minimizing deployment time and cost — and protecting existing application investments.

One device — many applications

This single payment module empowers workers to execute a wide variety of payment transactions — online and offline. In retail, associates can process purchases right on the sales floor the moment the customer decides to buy, increasing sales. The ability to open a dynamic pay point reduces wait times during peak buying periods — improving customer service levels as well as protecting sales. The added ability to process loyalty card applications on the sales floor without burdensome forms and procedures boosts membership and customer retention levels. In addition, the swipe of a loyalty card enables associates to identify customer preferences and offer relevant discounts, delivering differentiating service that will have customers talking — and returning. In a hotel, a quick swipe of a guest's credit card can enable convenient curbside check-in.

The payment module is also ideal for use outside the enterprise walls. The hospitality industry, including businesses involved in the delivery of food, can offer customers a wider variety of secure payment options, potentially expanding customer demographics — and the customer base. Package delivery and postal operations can offer customers additional methods to pay for COD payments as well as the ability to buy items such as stamps, right on the steps of their homes. Field service technicians can instantly collect payment for service, parts and even a warranty extension, reducing day's sales outstanding (DSO) and improving cash flow. And in the transportation industry, the ability to accept ticketless smartcards for fares on trains, buses and more improves overall efficiency and reduces long wait times at ticket booths.

Rugged design for frequent and extended use in virtually any environment

Motorola's flagship rugged design provides dependable performance inside and outside the four walls. Industry leading drop and tumble impact testing ensures reliable operation in spite of the inevitable everyday drops and bumps. The snap-on module is designed to withstand the heat and cold, enabling the device to endure outdoor exposure — from the entry of a hotel to outdoor dining areas, a rental car depot or the hip of a postal carrier or service technician.

Snap-on architecture
Application versatility delivers real business value — support for payment processing, inventory management, customer service, information lookup and more with a single flexible device

Tested to withstand more than 500,000 card swipes
Enhances product life-cycle for lower total cost of ownership

Compliant with PCI PED 2.1 and EMV regulations
Ensures secure transactions and protects consumer sensitive financial information

Easy to manage
No need to remove the device from the host mobile computer to charge

Motorola secure PCI-approved keying facilities
True one-stop shop: enables delivery of key-injected payment devices that are ready to go, right out of the box — greatly reducing staging time and cost

For more information on Motorola's Snap-On Mobile Payment Module with Chip and PIN, please visit us on the web at:

www.motorola.com/chipandpin

www.motorola.com/enterprisemobility/contact us

Snap-on solution maximizes versatility — and business value

Instead of a dedicated point solution for payment processing, this flexible payment module allows you to simply add transaction processing functionality to your existing Motorola MC70/MC75 mobile computers — when and where you need it. Costly dedicated payment solutions are often underutilized, while a multi-function mobile computer enables employees to check inventory and pricing, perform price audits and perform inventory counts as well as process payments — improving employee productivity, device utilization and the return on investment. The ability to condense functionality into a single solution eliminates the need for multiple devices — a mobile computer and a mobile payment terminal. Fewer devices to purchase and manage reduce capital and operational costs — while enabling the dynamic addition of checkout areas as needed to prevent long lines at the register and potentially abandoned sales. And unlike proprietary point solutions, the operating system and firmware of the host mobile computer (the MC70 or MC75) is easily upgraded, providing access to the latest in features and functionality — future-proofing your investment.

A global solution for all your business locations

The ability to process virtually any payment card from any country allows businesses to standardize on a single solution for worldwide mobile payment processing. The result is a simplified mobility architecture that is easier to deploy and more cost-effective to manage.

Maximum uptime and a low total cost of ownership (TCO)

Day-to-day management is typically the largest cost in any mobility solution. Motorola's Mobility Services Platform (MSP) is a powerful software application that enables centralized remote management of the host Motorola mobile computers. Management time and costs are dramatically reduced, lowering TCO. In addition, Motorola's unique support plan, Service from the Start with Comprehensive Coverage, helps protect uptime. A single upfront fee includes normal wear and tear as well as accidental breakage of internal and external components — all at no additional charge. Unforeseen repair costs are virtually eliminated, TCO is protected, and you enjoy the peace of mind that comes from full protection from the date of purchase — critical in transaction-heavy environments.

Specifications: Motorola Snap-on Mobile Payment Module with Chip and PIN

Physical Characteristics	
Weight:	5.2 oz./148 g
Keypad:	13-key color-coded keypad ANSI X9.8
Display:	2 line, 16 chars, monochrome
Interface to MC70/75:	Serial, RS-232
SAM Slots:	3
Compatible Devices:	Motorola MC70 and MC75 running Windows Mobile 6.1
Performance Characteristics	
Processor:	Hardened MIPS 4KSd secure processor
Memory:	109KB RAM (91KB available) 228KB Flash (56KB available)
Battery:	1Ahr, non-rechargeable. Retains keys for up to four years from date of manufacture
Crypto/hardware interfaces:	Certified RSA 1024 bit implementation
Hardware:	AES-128 encryption/decryption engine FIPS certified True Random Number Generator
MSR Format:	ANSI, ISO, AAMVA, CA DMV and user configurable generic format
Swipe Speed:	5 to 50 in. /127 to 1270 mm/sec, bi-directional
Track Reading Capabilities:	Track 1, 2 and 3 all 210 bpi; Track 2, 75 and 210 bpi, auto detect
Smart Card Format:	ISO 7816, EMV2000, GIE-CB and GSM Standards
SAM Cards:	Up to 3 T=0 or T=1 SAM cards — Programmable Voltage for each smart card: 5V, 3V, 1.8V
Encryption:	Triple DES (Data Encryption Standard) encryption with DUKPT (Derived Unique Key per Transaction) and MasterSession key management
Compliance:	PCI PED 2.1, EMV Level 1/EMV Level 2
User Environment	
Operating Temperature:	14° to 122° F/-10° to 50° C
Storage Temperature:	-40° to 158° F/-40° to 70° C, RH<85% Note: mandatory PCI/PED Keyclear at -34° C will require key loading after exposure to low temperature
Humidity:	5% to 95%, non-condensing
Drop Specification:	Meets and exceeds MIL-STD 810G. Multiple 4-foot drops to concrete at room temperature
Tumble Specification:	500 1.6 ft./0.5 m tumbles (1,000 drops)
Vibration Testing:	Sine 5-2000Hz, 4g peak; Random 10-2000Hz, 6g RMS
Electrostatic Discharge:	±15kV air discharge, ±8kV direct discharge
Lifecycle:	Rated for 500,000 card swipes
Regulatory	
Please see www.motorola.com/chipandpin for up-to-date country certification information	

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