

## BENEFITS AT A GLANCE

- Vibrant 65,536-color display delivers attention-getting video, animations and targeted messages
- Advanced touch technology resists screen cloudiness and wear and tear for the lowest total cost of ownership
- PCI PED online and offline approval and EMV Level 1 and Level 2 Type Approval mean retailers can use the same secure payment solution worldwide



## Branding from a Different Point of View

**Now VeriFone empowers** retailers with a revolutionary new way to broadcast advertising and corporate messaging directly to customers. VeriFone's MX870 goes well beyond standard PIN pad technology and merges full-motion video, a 65,536-color display, high-quality digital sound, and highly secure payment capabilities into a single, easy-to-use networking device. Merchants can harness the communications power of the MX870 to create brand awareness, reinforce advertising, or even deliver cross-promotions

to their customers. The unique and highly targeted marketing opportunities available through this merchandising powerhouse are truly extraordinary.

From today's contactless to tomorrow's biometric upgrades, the MX870's field-replaceable modules allow retailers to conveniently add functionality and future-proof their investment. Plus, the MX870 leverages the most advanced technology available by incorporating a robust, highly reliable capacitive touch panel that supports finger and stylus input.

And its rugged design meets the rigors of the retail environment, while also providing ease of use for signature capture solutions and innovative features like blue LEDs in the card swipe and smart card slots. It all adds up to a handsomely designed, innovative marketing solution that projects a quality brand image to customers right when it matters the most.

The MX870 is global and secure. It is PCI PED approved and has EMV Level 1 and Level 2 Type Approvals as well as Interac, RoHS and WEEE certifications.

# MX870

Multimedia Impact

# MX870



## SPECIFICATIONS

**Processor**  
32-bit 200 MHz

**Operating System**  
Embedded Linux with VeriFone security enhancements; MX platform

**Applications**  
Form Agent, IBM EFT, NCR EFT, Secure browser

**Memory**  
64 MB SDRAM + 64 MB Flash; Field-upgradeable via USB Flash memory drives

**Display**  
65,536 color, 1/4 VGA, active-matrix, 5.7" TFT

**Graphics**  
Built-in media player supports 16-bit video animation

**Speakers**  
Built-in speakers for tones, prompts, and music; Line-out port available to drive external powered speakers

**Keypad**  
Virtual PIN pad  
PCI PED approved (online and offline)

**Touch Screen**  
Capacitive/hardened glass

**Signature Capture**  
Field-upgradeable option

**Magnetic Card Reader**  
Triple-track, bi-directional; Software-controllable LED prompt

**Smart Card Reader**  
Up to 3 SAMS  
Software controllable LED prompt  
Factory option

**Contactless**  
ISO 14443 AB certified  
Optional, field-upgradeable module

**Cable Connectivity**  
Cable: supports VeriFone multi-port cables with cable sensing  
USB: Device and Host capability  
Ethernet: 10/100BaseT  
Serial Interfaces: RS-232, RS-485, IBM Tailgate  
Power over Ethernet option  
WiFi, field-upgradeable module

**USB Connectivity**  
Standard, device and host capability

**Ethernet Connectivity**  
10/100BaseT (factory option)

**Certifications**  
PCI PED approved  
EMV Level 1 & Level 2 Type Approvals  
Interac  
RoHS & WEEE

## Features & Benefits

### Smart, Secure, Sophisticated, and Flexible

- MX Operating System combines the proven stability of a Linux embedded platform with the security of VeriFone's payment architecture
- Host and device USB capability provides limitless scalability options, such as cost-effective memory expansion using USB Flash memory drives
- Ideal platform for a variety of value-added applications, such as administrating loyalty schemes, gift card issuance, and top-up services

### Features that Present Your Message Brilliantly

- High-speed processor, backed by 128 MB of memory, refreshes screens instantly
- Active matrix display supports 65,536 colors for vibrant animations and video

- Attractive compact footprint, optional speakers, illuminated magnetic stripe prompt and smart card reader grab attention in any environment
- 10/100BaseT Ethernet connectivity pulls content seamlessly from any network

### Built for the Long Run

- Customer-branded trim plate with in-mold design creates lasting high-quality finish
- Modular design lets retailers configure solutions that meet their needs today and add features at any time—maximizing investment protection
- Chemically-hardened touch panel glass resists scratching and reduces breakage
- Non-mechanical stylus design eliminates failure points

### MX Solutions: The Total Package

- Interchangeable MX800 Series hardware and compatible peripherals with a variety of connectivity options
- PAYware, a fully integrated suite of software for payment, signature capture, device management, and content delivery, all from a central point of administration
- Expertise and services from the industry leader in payments solutions that help retailers build loyalty, enhance customer satisfaction and increase sales



## BENEFITS AT A GLANCE

- Industry-leading color display is ideal for promotional and interactive customer applications
- Wide screen allows for optimized signature capture
- Field-upgradeable contactless module and optional smart card reader offer a variety of payment choices
- Multipurpose device can provide price checking, gift card sales or reloading, loyalty program enrollment, instant credit applications and more



## Just the Right Touch

As the integrated retail landscape becomes increasingly competitive and complex, you need powerful and rugged payment devices that can multi-task, from delivering eye-catching promotions to enabling customer touch points such as convenient price-checking, loyalty enrollment and instant credit applications.

As the newest member of the fully integrated MX Solutions family, the MX860 is as versatile as it is performance-oriented. The combination of a wide screen, a tactile keypad and a large signature capture area speeds customers through lanes. A fast processor and ample memory make the MX860 especially well suited for high-volume locations. But, the MX860

delivers more than fast and secure payments. It features a brilliant full-color display for implementing attention-getting promotions and a variety of other revenue generation and customer interaction solutions. Combined with the new MX800 Series printer and scanner, multiple connectivity options including Power over Ethernet, WiFi, USB and various serial interfaces, plus a secure browser platform—the MX860 puts a whole new world of payments and promotions capabilities at your fingertips.

### Designed for Demanding Retail Environments

Every element of the MX860 is made for the most demanding retail environments, delivering dazzling branding and promotions

capabilities in a device that can stand up under the heaviest usage.

The MX860 meets global security requirements and has PCI PED approval and EMV Level 1 & Level 2 Type Approvals, as well as Interac, RoHS and WEEE certifications.

Like all MX800 Series devices, the MX860 takes advantage of the PAYware software suite and a common user interface for mix-and-match capabilities that give retailers a variety of ways to create customer touch points, customize applications, maximize sales and build relationships.

Peak Performance

# MX860

## MX860



## SPECIFICATIONS

**Processor**

32 bit 266 MHz

**Operating system**

Embedded Linux with VeriFone security enhancements; MX platform

**Applications**

Form Agent, IBM EFT, NCR EFT, Secure browser

**Memory**

64 MB SDRAM + 64 MB Flash  
Field-upgradeable via USB Flash memory drives

**Display**

65,536-color graphics, wide screen  
backlit display, 480 x 272 resolution

**Graphics**

Built-in media player supports  
16-bit video

**Audio**

Multi-tone buzzer  
External speaker line-out port is  
factory optional

**Keypad**

Recessed for privacy  
13 laser-etched tactile keys

**Touch Screen**

Chemically hardened glass  
Capacitive technology

**Signature Capture**

Field-upgradeable option

**Stylus Pen**

Non-mechanical  
Field-upgradeable option

**Magnetic Card Reader**

Triple-track, bi-directional  
Software-controllable LED prompt

**Smart Card Reader**

Up to 3 SAMS  
Software-controllable LED prompt  
Factory option

**Contactless**

ISO 14443 AB certified  
Optional, field-upgradeable module  
AMEX, Discover, MasterCard,  
Visa approved

**Connectivity / Communications**

Cable: supports VeriFone multi-port  
cables with cable sensing  
USB: Device and Host capability  
Ethernet: 10/100BaseT  
Serial Interfaces: RS-232, RS-485,  
IBM Tailgate  
Power over Ethernet option  
WiFi, field-upgradeable module

**Security / Encryption**

Master Session  
DUKPT  
Triple DES

**Certifications**

PCI PED approved  
EMV Level 1 & Level 2 Type Approvals  
Interac  
RoHS & WEEE

## Features &amp; Benefits

**That's Brilliant**

- Fast processor and ample memory easily handle animation and full-motion video
- Tactile keypad reduces errors and speeds payments
- Backlit display supports 65,536 colors and delivers the industry-leading picture
- Ethernet connectivity allows content to be downloaded seamlessly and swiftly from any network or centralized server
- Bi-directional magnetic stripe card reader minimizes re-swiping and keeps lanes moving
- Available payment options include a smart card reader and field-upgradeable contactless reader
- Optional line-out port supports speakers for kiosk environments

**A Clear Sign**

- Large screen area efficiently accommodates optional signature capture coupled with scrolling receipts and branding or suggestive selling
- Brilliant graphics draw attention to value-added applications such as loyalty programs, gift card sales and reloading
- Field-upgradeable MX800 Series printer and scanner enable applications such as price checking, product locators, instant credit applications and disclosures

**A Lasting Investment**

- Modular design gives retailers the flexibility to easily expand capabilities at any time to cost-effectively meet changing requirements
- Laser-etched keys and optional, customer-branded design provides durability

- Chemically hardened glass display is extremely durable, and non-mechanical stylus eliminates input failures

**MX Solutions: The Total Package**

- Interchangeable MX800 Series hardware and compatible peripherals with a variety of connectivity options
- PAYware, a fully integrated suite of software for payment, signature capture, device management and content delivery, all from a central point of administration
- Expertise and services from the industry leader in payments solutions that help retailers build loyalty, enhance customer satisfaction and increase sales

## BENEFITS AT A GLANCE

- Ultra-crisp, 65,536-color display captures attention for multimedia branding and cross-promotion
- High-performance processor and built-in keypad streamline payment and value-added transactions
- Familiar, user-friendly interface simplifies use for consumers and clerks alike
- Highly durable, modular design stands up to heavy multi-lane usage and future-proofs investment



Picture Perfect

## The Clear Choice for Multi-Lane

### VeriFone knows multi-lane

retailers compete in a demanding marketplace where consumers expect prompt service. VeriFone's MX850 is designed specifically for these unforgiving multi-lane and point-of-service environments, with a powerful processing engine, an ultra-crisp color display, scratch-resistant touch screen, outstanding durability, and modularity for investment protection—making it the clear choice.

Part of the MX800 Series of consumer-facing, multimedia payment and point-of-service devices, the MX850 securely handles transactions in seconds, while also delivering a dazzling array of brand reinforcement, cross-promotional messages,

and even consumer disclosures directly to consumers. The 65,536-color display supports full-motion video and high-resolution graphic animation, in addition to helpful prompts and transaction information.

Consumers can enter their PINs or approve transactions using the convenient tactile keypad, recessed for privacy. Optional signature capture capability paired with VeriFone's PAYware software allows retailers to streamline transactions, minimize paper storage, and quickly retrieve electronic receipts as needed.

### Built to Last

The compact MX850 stands up to the heaviest usage. From

the touch screen with special capacitive technology that resists scratches and accepts both finger input and a reliable, non-mechanical stylus, to the unit's highly resilient, customizable trim plate and laser-etched keypad—this device is built to last for years. Field-replaceable modules, expansion slots, and a USB port further future-proof the MX850 and allow the addition of contactless payment or other capabilities as new technologies emerge. A smart card reader is factory optional.

The MX850 is global and secure. It is PCI PED approved and has EMV Level 1 and Level 2 Type Approvals as well as Interac, RoHS and WEEE certifications.

# MX850

## MX850



## SPECIFICATIONS

**Processor**

32-bit 200 MHz

**Operating system**

Embedded Linux with VeriFone security enhancements; MX platform

**Applications**

Form Agent, IBM EFT, NCR EFT, Secure browser

**Memory**64 MB SDRAM + 64 MB Flash  
Field-upgradeable via USB Flash memory drives**Display**

65,536 color, 1/4 VGA, backlit

**Graphics**

Built-in capability for 16-bit color video

**Audio**Multi-tone buzzer  
External speaker line-out port is factory optional**Keypad**Recessed for privacy  
13 laser-etched tactile keys + 4 screen-addressable ATM-style keys**Touch Screen**Chemically hardened glass  
Capacitive technology**Signature Capture**

Field-upgradeable option

**Stylus Pen**Non-mechanical  
Field-upgradeable option**Magnetic Card Reader**Triple-track, bi-directional  
Software-controllable LED prompt**Smart Card Reader**Up to 3 SAMS  
Software-controllable LED prompt  
Factory option**Contactless**ISO 14443 AB certified  
Optional, field-upgradeable module**Connectivity / Communications**Cable: supports VeriFone multi-port cables with cable sensing  
USB: Device and Host capability  
Ethernet: 10/100BaseT  
Serial Interfaces: RS-232, RS-485, IBM Tailgate  
Power over Ethernet option  
WiFi, field-upgradeable module**Security / Encryption**Master Session  
DUKPT  
Triple DES**Certifications**PCI PED approved  
EMV Level 1 & Level 2 Type Approvals  
Interac  
RoHS & WEEE

## Features &amp; Benefits

**A Bright Way to Capture Consumer Attention**

- Backlit, 1/4 VGA display supports 65,536 colors and delivers the industry's sharpest, high-resolution screen images
- High-speed processor and generous memory power full-motion videos and animated graphics
- 10/100BaseT Ethernet connectivity delivers content seamlessly from any network
- Optional line-out port supports speakers for kiosk environment

**A Clear Edge in Usability**

- Tactile, recessed keypad for privacy and familiar ATM-style interface simplifies usage and reduces errors
- Highly reliable capacitive touch screen responds to fingertip input or stylus pen
- Bi-directional, triple-track magnetic stripe card reader minimizes re-swiping and keeps lines moving

- Swiftly handles payment and value-added transactions, including loyalty, gift card, and top-up applications

**An Eye on Flexibility, Durability, and Security**

- Common MX800 Series platform, applications, and operating system make it easy to mix and match the MX850 with other MX800 Series devices
- Unmatched modularity and compatibility gives retailers maximum configuration flexibility and investment protection
- Chemically-hardened glass touch screen is scratch-resistant for years of exceptional clarity
- Non-mechanical stylus ensures the highest reliability
- Keys are laser-etched to preserve letters and numbers on keypad
- Optional retailer-branded trim plate with in-mold design lasts for life

**MX Solutions: The Total Package**

- Interchangeable MX800 Series hardware and compatible peripherals with a variety of connectivity options
- PAYware, a fully integrated suite of software for payment, signature capture, device management, and content delivery, all from a central point of administration
- Expertise and services from the industry leader in payments solutions that help retailers build loyalty, enhance customer satisfaction and increase sales

## BENEFITS AT A GLANCE

- Ultra-crisp, grayscale display lets retailers connect with consumers for branding and cross-promotion
- Rugged and modular design stands up to heavy multi-lane use and future-proofs investment
- High-performance processor and tactile keypad streamline payment and value-added transactions
- Familiar, user-friendly interface of all MX800 Series devices simplifies use for consumers and clerks alike



## Keeps Lanes Moving and Consumers Engaged

VeriFone's MX830 is the robust payment device multi-lane retailers have waited for—a versatile, durable, economical performer tuned to multi-lane and integrated point-of-service environments. The consumer-facing device provides transaction speed, reliability, flexibility, and security—together with attention-getting brand reinforcement and promotional messages, delivered directly to the consumer.

The MX830 makes quick work of even the most complex payment and value-added transactions. It has a familiar, intuitive interface and a recessed keypad for privacy during PIN entry. The MX830

also offers an optional touch screen that accepts stylus or finger input, as well as signature capture capability to streamline transactions.

More than a payment device, the MX830 helps retailers reach out to consumers with timely, targeted branding and cross-promotional messages. The high-resolution grayscale display supports graphic animation, as well as helpful prompts and transaction information.

### Multi-Lane Rugged

The MX830 is exceptionally durable and stands up to heavy-use environments. Keys are laser-etched to preserve letters

and numbers. The touch screen uses specially hardened glass that resists scratching for a clear view over the life of the device. The non-mechanical stylus has no moving parts or electronics to fail. Plus, field-replaceable modules allow the addition of contactless payment or emerging technologies to preserve investments over time. A smart card reader is factory optional.

The MX830 is global and secure. It is PCI PED approved and has EMV Level 1 and Level 2 Type Approvals as well as Interac, RoHS and WEEE certifications.

# MX830

## MX830



## SPECIFICATIONS

**Processor**

32-bit 200 MHz

**Operating system**

Embedded Linux with VeriFone security enhancements; MX platform

**Applications**

Form Agent, IBM EFT, NCR EFT, Secure browser

**Memory**32 MB SDRAM + 32 MB Flash  
Field-upgradeable via USB Flash memory drives**Display**

16-shade grayscale, backlit, ¼ VGA resolution

**Graphics**

Built-in animation capability

**Audio**

Multi-tone buzzer

**Keypad**Recessed for privacy  
13 laser-etched tactile keys +  
4 screen-addressable ATM-style keys**Touch Screen**Chemically-hardened glass  
Capacitive technology  
Factory option**Signature Capture**

Field-upgradeable option (with touch screen)

**Stylus Pen**Non-mechanical  
Field-upgradeable option**Magnetic Card Reader**Triple-track, bi-directional  
Software-controllable LED prompt**Smart Card Reader**Up to 3 SAMS  
Software-controllable LED prompt  
Factory option**Contactless**ISO 14443 AB certified  
Optional, field-upgradeable module**Connectivity / Communications**Cable: supports VeriFone multi-port cables with cable sensing  
USB: Device and Host capability  
Ethernet: 10/100BaseT  
Serial Interfaces: RS-232, RS-485, IBM Tailgate  
Power over Ethernet option  
WiFi, field-upgradeable module**Security / Encryption**Master Session  
DUKPT  
Triple DES**Certifications**PCI PED approved  
EMV Level 1 & Level 2 Type Approvals  
Interac  
RoHS & WEEE

## Features &amp; Benefits

**A Practical Performer with a Proven Pedigree**

- Part of the acclaimed MX800 Series, the MX830 is an economical, yet powerful payment device for multi-lane and point-of-service environments
- Intuitive interface identical to other MX800 Series devices plus recessed, private keypad for efficient, secure PIN entry means fewer errors and faster checkout
- Effectively handles any payment or value-added transactions, including loyalty, gift card, and top-up applications
- Bi-directional, triple-track magnetic stripe card reader virtually eliminates time wasted re-swiping cards

**An Eye-Catching Way to Target Consumers**

- Backlit, 16-shade grayscale, ¼ VGA resolution display delivers the industry's sharpest screen images

- Supports animated graphics to capture consumers' attention for advertising quick-grab items and delivering other messages
- Optional 10/100BaseT Ethernet connectivity streams content at high speeds from any network

**A Focus on Flexibility, Durability, and Security**

- Common MX800 Series platform, applications and operating system make it easy to mix and match the MX830 with other MX800 Series devices
- Unmatched modularity and numerous options let retailers protect their investment by upgrading or adding to the MX830 as needed
- Optional touch screen has chemically-hardened, scratch-resistant glass and a non-mechanical, passive stylus for years of crystal clear, trouble-free usage

- Optional retailer-branded trim plate with in-mold design lasts for life
- Keys are laser-etched to preserve letters and numbers on keypad

**MX Solutions: The Total Package**

- Interchangeable MX800 Series hardware and compatible peripherals with a variety of connectivity options
- PAYware, a fully integrated suite of software for payment, signature capture, device management, and content delivery, all from a central point of administration
- Expertise and services from the industry leader in payments solutions that help retailers build loyalty, enhance customer satisfaction and increase sales