



VeriFone Mx870 Customer-Facing Payment Terminal for MICROS RES Quick Service

MICROS offers the VeriFone Mx870 multi-function customer-facing payment terminal, for use with MICROS RES v4.6 and above, in a Quick Service environment (without tips).

The Mx870's order confirmation display allows customers to see their order as it is being entered, giving them an opportunity to catch any mistakes in orders before the order is processed, saving time and improving customer satisfaction. The Mx870 is also secure Credit card payment device.

MICROS has indicated that future MICROS RES software releases will enable the Mx870 to support gift cards, pin debit and RFID contactless payment cards such as American Express  and Master Card 



Features of the VeriFone Mx870 include:



- Credit Payment
- Order confirmation
- Touch screen display (finger or stylus)
- Durable construction
- The ability to display graphics, logos, etc.

The Mx870 is durable enough for a demanding environment such as quick service. It features a vibrant color display with a chemically hardened touch panel which has a gasket for spill resistance.

Mx870 Specifications

Processor	32-Bit 200MHz
Operating System	Embedded Linux with VeriFone security enhancements; MX platform
Memory	64 MB SDRAM + 64 MB Flash; Field upgradeable via USB Flash memory drives
Display	65,356 color, 1/4 VGA, active-matrix, 5.7" TFT
Touch Screen	Capacitive/hardened glass
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 <i>(supported in future RES release)</i>	Virtual PIN pad PCI PED approved (online and offline)
Magnetic Card Reader	Triple-track, bi-directional; Software-controllable LED prompt
Contactless <i>(supported in future RES release)</i>	ISO 14443 AB certified Optional, field-upgradeable module
Cable Connectivity	Supports VeriFone multi-port cables with cable sensing: 1 RS-485/RS-232 port and 2 RS-232 ports; EverestPlus/Omni 7xxx cables or MX multi-port cable for enhanced functionality
USB Connectivity	Standard, device and host capability
Ethernet	10/100BaseT
Power	Peripheral power requirements: DC power pack: 12 V DC at 1.0 A Power pack requirements: 120 V AC at 60 Hz (U.S.)
Environmental	Operating temperature: 0° to 40° C (32° to 104° F) Storage temperature: - 18° to + 66° C (0° to 150° F) Humidity: 15% to 95% relative humidity; no condensation
Dimensions (w/o RFID reader)	Height: 153 mm (6.0 inches) Width: 192 mm (7.5 inches) Depth: 57 mm (2.24 inches)
Weight	1.68 lbs. (.77kg)

Mx870 Payment Terminals

Part #	Description
400384-680	 <p><u>Credit Terminal:</u> Mx870 Order Confirmation Terminal Integrated Mag Card Reader Interface Cable for Ethernet Connection Power Cable Stylus Mx870 App SW to work w/RES (pre-loaded) 3 Year Buyer Protection Plan</p>
400384-681	 <p><u>Credit Terminal w/RFID:*</u> Mx870 Order Confirmation Terminal Integrated Mag Card Reader RFID Card Reader (RFID Decal Purchased Separately) Interface Cable for Ethernet Connection Power Cable Stylus Mx870 App SW to work w/RES (pre-loaded) 3 Year Buyer Protection Plan</p>

*RFID is scheduled to be supported in a future RES release.

Prices are exempt from volume discounts, and VeriFone products are subject to a **30-day lead-time.**

Programming, Installation, Training

Estimates for these services are available after determining the Mx870 quantities needed.

RFID Reader w/Overlays

In a future release, RES will support RFID contactless card reading on the Mx870. When ordering the VeriFone RFID module, be sure to order an overlay. There are two choices below.

There is some cost savings if the RFID reader is ordered bundled in with the terminal (part # 400384-681), **so the customer will want RFID in the foreseeable future, it may be prudent to purchase it in the bundle.** Overlays still must be ordered separately and should be applied at installation.

NOTE: RFID readers without the overlays will look unfinished.

Part #	Description
700711-416	RFID Card Reader (no overlay)
100014-006	RFID Overlay: Amex, Visa, Master Card
100014-005	RFID Overlay: Amex, Visa, Master Card, Discover

Stands/Mounting Hardware

Stand options include: (-060) attaches to a Micros Workstation 4, 4LX or 5 Stand; (-065) is a stand not attached to the Ws, which mounts to the counter with a hole in the center to route cables; (-066) is a free-standing wedge that affixes to the bottom of the Mx870 to increase the pitch of the unit, with no ability to secure to a counter or other surface.

Part #	Description
600526-060	Mx870 Stand to mount to Workstation 4 or Workstation 5 stand
600526-065	Counter-Mount Stand (customer is responsible for bolting stand to counter)
600526-066	Wedge Stand (Mx870 will be free standing)

NOTE: Customers will be responsible for securing these stands to their counter and drilling through the counter for cable routing.



End User Warranty from VeriFone

(*Buyer Protection Program Repair Service)

This Warranty is only provided by VeriFone, not from MICROS or DCRS Solutions.

The Mx870 is bundled with a 3 year Buyer Protection Program Repair Service (BPP), direct from VeriFone. This BPP covers all repairs, including damage due to accidents or acts of nature. With VeriFone's BPP, broken equipment is repaired, cleaned, tested and shipped within an average of 5 business days **from receipt of the terminal at VeriFone**. All repairs are performed at VeriFone's service center (using VeriFone parts).

Returns are covered under the VeriFone 3-Year BPP, and all hardware failures, including out of box failures, must be returned to VeriFone through this program. **However, Customers should subscribe to a Software Support & Help Desk Plan with DCRS Solutions, so DCRS can provide initial troubleshooting and phone support, prior to shipping an Mx870 to VeriFone.**

If it is determined that the Mx870 requires repair, the customer then follows these steps:

- The customer must call VeriFone's repair department at 1-800-834-9133 and select option 4
- Follow the prompts to receive return authorization information
 - The customer should be sure to have the product serial number with them to help facilitate the process
- The customer will receive shipping instructions and case information
- Outbound shipping costs are the responsibility of the customer
- The customer will ship the unit to VeriFone as per the instructions that they receive from VeriFone
- VeriFone will repair, test and clean the unit and repackage it for return
- The unit will be shipped back to the customer with a description of what was repaired
- VeriFone will be responsible for return shipping costs

If an RFID reader is purchased separately from an Mx870, it will assume the remainder of the buyer protection period of the Mx870 on which it is installed.