



VeriFone  
THE WAY TO PAY™

VX 810



**Processor**  
200MHz ARM9 32-bit microprocessor

**Memory**  
6 Mbytes (4 MB of Flash, 2 MB of SRAM)  
Optional 12 MB (8 MB of Flash, 4 MB of SRAM) or 20 MB (16 MB of Flash, 4 MB of SRAM)

**Display**  
128 x 128 pixel graphical LCD with high contrast white backlighting; supports 16 lines x 2 1 characters with standard font set

**Magnetic Card Reader**  
Triple track (tracks 1, 2, 3), high coercivity, bi-directional

**Primary Smart Card (Optional)**  
ISO 7816, 1.8V, 3V, 5V or synchronous and asynchronous cards; EMV Level 1 and Level 2 Type Approved

**SAM Card Reader (Optional)**  
3 Security Access Modules

**Keypad**  
3 x 4 numeric keypad, plus  
8 soft-function keys and  
4 screen-addressable keys

**Peripheral Ports**  
Single multi-connector, which supports power, RS-232, USB Client, USB Host, Ethernet, and power over Ethernet; SDIO interface supports optional module or secure digital memory card

**Security**  
3DES encryption, Master/Session and DUKPT key management; PCI PED approved; VeriShield file authentication

**Physical**  
Length: 150 mm (5.9 in.); Width: 85 mm (3.3 in.); Height: 32 mm (1.2 in.)  
Weight: Terminal/270 g (0.59 lbs.), Full shipping/850 g (1.87 lbs.)

**Environmental**  
0 to 40 C (32 to 104 F) operating temperature; 5% to 90% relative humidity, non-condensing

**Voltage**  
5-12 Vdc  
PIN pad only—Max 2.5W; Nominal 2W  
PIN pad plus contactless—Max 4.25W; Nominal 3W (no contactless card presented)

**Contactless**  
ISO 14443 AB certified  
MSD/EMV  
Optional field upgradeable module



## All You Could Want in a PIN pad—Hands Down

VeriFone's VX 810 redefines the PIN pad. Highly reliable, remarkably modular, and exceptionally user-friendly, the Vx 810 provides everything merchants could want—in a stylish, ergonomic payment device that fits comfortably into the palm of a hand.

The Vx 810 PIN pad gets its reliability from the same Verixbased operating system that runs all of VeriFone's market leading Vx Solutions payment devices. Both the triple-track, high-coercivity mag stripe reader and smart card reader are built—and proven—to perform consistently, even under the heaviest volumes.

Because the payment environment is changing so quickly, VeriFone has future-proofed the Vx 810 to easily change right along with it. The PIN pad's Secure Digital Input Output (SDIO) expansion port allows you to simply upgrade the device—for example, adding a module for contactless payment capability—without sending it back to the factory. The Vx 810 also offers an array of connectivity options all from a single port (including serial, USB, or optional Ethernet) so you can connect to almost any device or ECR. Plus, the Vx 810 gives you the option of adding a base unit with a printer and modem to create a fully-loaded payment solution with a "hand-over" PIN pad—all in one single device.

The Vx 810 is ultra sleek with VeriFone's patent-pending MAXui design, providing the smallest footprint with the largest user interface. Its ATM-style interface includes a large keypad and an equally sizeable, extraordinary, white backlit display—making it especially easy to read on-screen prompts. The high-speed processor and exceptionally large memory is more than enough for a broad range of payment and value-added applications. And support for the latest PCI PED standards, plus EMV Level 1 and 2 Type Approval, ensure that this PIN pad will be a handy solution for years to come.

### BENEFITS AT A GLANCE

- Highly reliable operation, even under heavy volumes
- Flexibility to adapt to changing payment requirements
- Exceptional design and ease of use reduces input errors and training
- Complete security for all transaction types