



# V<sup>x</sup> 610

Portable Powerhouse

## BRING THE POINT OF SALE TO THE POINT OF SERVICE

**VERIFONE'S V<sup>x</sup> 610** commands unsurpassed performance — no strings attached. Without tying your customers to a fixed location, our new generation of wireless powerhouses deliver blazing performance, high-end functionality, and exceptional ease of use.

With VeriFone's wireless, battery-powered V<sup>x</sup> 610 terminals, the point of payment can be almost anywhere — merchants can instantly open an extra lane or support an outdoor market. Powered by a 32-bit processor, the all-in-one terminal eliminates the need for dongles and charging bases. The V<sup>x</sup> 610 swiftly handles even the most complex mag-stripe or smart card transactions, using a choice of the latest wireless technologies, such as GPRS, CDMA and Wi-Fi. And the modular design provides true investment protection, allowing modules to be easily swapped should new versions of a technology emerge.

The terminals' intuitive ATM-style interface and ergonomic design provide a familiar experience for users, while VeriFone's Verix platform and SoftPay software allow you to leverage existing applications without rewriting code or recertifying. This simplifies the implementation process and minimizes your help desk costs. Finally, the VeriFone name on the outside says all you need to know about the quality and reliability inside.

### BENEFITS AT A GLANCE

- Lets merchants extend the POS and process transactions anywhere, any time
- Opens new markets for you — from delivery services to outside vendors
- Ease of use and familiar software speed implementation and reduce costs
- Offers end-to-end security using SSL and other protections





## FEATURES AND BENEFITS

### *Countertop payment with wireless flexibility*

- Extends countertop payment to wherever consumers are, opening new market opportunities for you

### *Familiar, consistent platform*

- Proven VeriX-based platform provides seamless fit with merchant's existing VeriFone countertop terminals
- Supports payment and value-added applications — application separation at both the hardware and software level minimizes or eliminates the need to recertify existing payment applications every time an application is added or modified
- Designed for optimal performance with IP-based transactions
- Dual modem design — wireless and dial — offers added dependability

### *Exceptional performance and ease of use*

- Powerful 32-bit processing, multi-tasking, and “always-on” wireless services (local and wide-area) trim transaction times to just a few seconds, even on the most complex transactions such as SSL and EMV-based smart card
- File compression and high-speed IP wireless networks greatly streamline application downloads
- Industry leading battery performance with large capacity Lithium-Ion Smart Battery technology
- Intuitive ATM-style interface, backlit display, large keys, and bold menu prompts reduce clerk errors and minimize help desk calls
- All-in-one design includes high-speed (18 lines/second) thermal printer, drop-in “clam shell” paper loading
- Standard countertop paper roll providing minimizing inventory, costs, and provides additional printing capability over competitor's products
- Vertical, triple-track, high-coercivity card reader handles most magnetic-stripe cards
- Built-in smart card reader and Security Access Modules (SAMs) support multiple smart card solutions and offer added data protection
- Internal PIN pad supports debit and other PIN-based applications

### *Advanced security and superior reliability*

- Latest security protections include advanced 3DES encryption, Master Key/Session Key and Derived Unique Key Per Transaction (DUKPT) key-management, and sophisticated VeriShield file authentication plus tamper resistance
- The V<sup>x</sup> 610 is PED Approved by Visa and MasterCard for debit and other PIN-based transactions and has received EMV Level 1 and Level 2 Type Approval

## SPECIFICATIONS

### Base Terminal

#### Processor

32-bit microprocessor

#### Memory

4 MBytes (2 MBytes of Flash, 2 MBytes of SRAM) or  
6 MBytes (4 MBytes of Flash, 2 MBytes of SRAM)

#### Display

128 x 64 pixel graphical LCD with backlighting; supports 8 lines x 21 characters

#### Magnetic Card Reader

Triple track (tracks 1, 2, 3), high coercivity, bi-directional

#### Primary Smart Card

ISO 7816, 1.8V, 3V, 5V or synchronous and asynchronous cards; EMV certified

#### SAM Card Reader

1 or 3 Security Access Modules (SAMs)

#### Keypad

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

#### Peripheral Ports

One RS-232 ports and 1 telco port support peripherals including PIN pads and check readers

#### Printer

Integrated thermal with graphics capabilities, 18 lines per second, 24 or 32 columns; standard counter-top paper roll 58 mm (2.25 in.) x 25M, single ply

#### Modem

Standard 14.4kbps modem (Bell 103/212a, CCITT V.21/V.22/V.22bis, 300/1200/2400/14.4k bps, synchronous and asynchronous)

#### Wireless Modem

Supports Wide Area Wireless GSM/GPRS on 900/1800 MHz or 850/1900 MHz; CDMA2000 1X on 800/1900, and Local Area Wireless WiFi 802.11b

#### Protocols

Application selects between asynchronous protocols (Visa 1, Visa 2, etc) and synchronous protocols (including ISO 8583/SDLC). IP enabled, with optional TCP/IP protocol stack

#### Security

3DES encryption, Master/Session and DUKPT key management; PED approved; VeriShield file authentication. SSL API for secured IP transactions

#### Physical

Length: 209mm (8in.); Width: 102 mm (4in.); Height: 70mm (2.8in.)  
Weight: Terminal/708g (1.5lbs)

#### Environmental

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

#### Voltage

AC input 100 - 240 VAC, 50/60 Hz; DC Output 8.6 - 9.4 VDC, 4.0 Amp