

## BENEFITS AT A GLANCE

- Superior performance for faster transaction processing, including EMV smart card
- Multiple payment and value-added applications
- PCI PED approved, advanced security including SSL
- Small footprint takes up little counter space



## Ultra-High Performance with Flexible, Secure Communications

VeriFone's V<sup>x</sup> 510 for Canadian markets offers extraordinary performance for payment and value-added applications — including data-intensive, EMV smart card transactions — and it dramatically reduces transaction time to just a few seconds.

Leveraging existing SoftPay and Verix applications allows merchants to get up and running quickly and efficiently, with memory that facilitates the addition of revenue-generating applications, such as telco, loyalty and gift.

The Vx 510 has a sleek and stylish "hand-over" design for customer PIN entry, and has an extremely small footprint that takes up very little counter space. A bright backlit display, ATM-style interface, and on-screen prompts with four useful function keys make the Vx 510 a snap to learn and use—minimizing costly human errors. It also includes a built-in thermal printer with drop-in paper loading to virtually eliminate paper jams.

The PCI PED approved V<sup>x</sup> 510 also offers the latest and most reliable security protections — including SSL, 3DES encryption, Master/Session and DUKPT key management and VeriShield file authentication — along with VeriFone's unmatched reliability and quality.

# V<sup>x</sup> 510

Big Things in a Small Package

# Vx 510



## SPECIFICATIONS

**Processor**  
200 MHz ARM9 32-bit RISC processor

**Memory**  
3 MB – dial only

**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

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

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

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

**Peripheral Ports**  
Two RS-232 ports, and one telco port supports communications and peripherals including PIN pads and check readers

**Printer**  
Integrated thermal with graphics capabilities, 18 lines per second, 24 or 32 columns; standard roll paper 58 mm (2.25 in.) x 25 M (82 ft.), single ply

**Modem**  
Standard 14.4 kbps modem supporting Bell 103/212a, CCITT V.21/V.22/V.22bis/V.32/V.32bis (300/1200/2400/9600/14400 and HC Fast Connect for 1200 bps)

**Protocols**  
Application selects between asynchronous protocols (Visa 1, Visa 2, and others) and synchronous protocols (including ISO 8583/SDLC)

**Security**  
SSL v3.0, 3DES encryption, Master/Session and DUKPT key management; PCI PED approved; VeriShield file authentication

**Physical**  
Length: 209 mm (8 in.); Width: 102 mm (4 in.); Height: 72mm (2.8 in.)  
Weight: Terminal/500 g (1.10 lbs.), Full shipping/1,326 g (2.84 lbs.)

**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

## Features & Benefits

### Exceptional Performance

- 200 MHz 32-bit RISC processor – the fastest processor in the industry for multi-tasking capabilities
- Up to 3 MB of lightning-fast DMM (dynamically managed memory) provide exceptional processing on debit, credit, EBT and value-added transactions – including EMV smart card
- File compression, used in conjunction with high-speed networks or high-speed modems greatly streamlines application downloads
- Exceptional graphics-handling by both display and printer quickly renders logos, graphical fonts and character-based languages
- Integrated high-speed thermal printer is quiet and fast (18 lines per second) with drop-in, “clam shell” loading to simplify paper changing and eliminate jams

### Easy to Use

- Intuitive ATM-style interface, large backlit display, ergonomic keys, and bold menu prompts minimize clerk training, speed lines, and reduce errors
- Triple-track, high-coercivity card reader handles most magnetic-stripped cards, including mini-cards
- Includes built-in smart card reader and Security Access Modules (SAMs) to support multiple smart card solutions and offer added data protection
- Internal PIN pad for debit and other PIN-based applications

### Advanced Security And Superior Reliability

- Latest security protections include advanced 3DES encryption, Master/Session and Derived Unique Key Per Transaction (DUKPT) management, and sophisticated VeriShield file authentication and tamper resistance
- PCI PED approved for debit and other PIN-based transactions, and has earned EMV Level 1 and Level 2 Type approval, plus Interac certification
- 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

