

# Vx 510 Ethernet BREAKNECK PERFORMANCE

Get connected with the cost-effective, space-saving and secure Vx 510 Ethernet. This best-selling countertop solution now hooks up to broadband for super fast transactions. With a PCI PED approved, built-in PIN pad and more usable memory than any competitor, the Vx 510 Ethernet speeds lines and gives added peace of mind. Only from VeriFone.



## SPEED ACCELERATED, COSTS REDUCED CONNECT IN HIGH GEAR



### Amazing Performance

- Quick-connect Ethernet port for easy installation
- Printer designed for easy paper loading, virtually eliminating jams
- PCI PED approval ensures compliance with the most stringent security standards
- VeriShield Retain file authentication provides unsurpassed security
- Display and printer graphics quickly render logos, graphical fonts and character-based languages

### Made for small business

- Ethernet connection for lightning-fast transactions
- Lower cost, higher performance
- The latest, most reliable advances in security
- Small size keeps countertops clutter free

### ENHANCED FUNCTION

- High-speed processing and thermal printer keep check-out lines moving
- Memory supports value-added applications, plus loyalty and gift cards
- Supports external peripherals such as contactless payment solutions and check readers
- Triple-track card reader accepts all magnetic-stripe cards
- ATM-style interface with large backlit display for reduced errors



High-speed printer reduces customer wait time

Backlit display is user friendly and easy to read

More usable memory provides ultimate flexibility for value-added applications



Small size and high performance provide peace of mind



Quick connection to Ethernet for lightning-fast transactions

## 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 VX 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 Vx 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.

## 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 (300/1200/2 400/9600/14400 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- striped 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