

BENEFITS AT A GLANCE

- Superior performance for faster transaction processing
- Choice of dial or Ethernet connectivity
- Multiple payment and value-added applications
- PCI PED approved, advanced security including SSL



Ultra-High Performance with Flexible, Secure Communications

VeriFone's Vx 510 offers extraordinary performance for payment and value-added applications — and it dramatically reduces transaction time to just a few seconds.

Our proven VeriX V platform leverages existing applications, streamlines certification and implementation, and minimizes help desk costs to get merchants up and running quickly and efficiently. Plus its ample memory facilitates the addition of revenue-generating applications, such as telco, loyalty and gift.

The Vx 510 offers a choice of two connectivity options: Ethernet and dial. The dual communications options allow built-in dial capability to be used today, then switched to Ethernet at any time. Merchants with existing broadband service can immediately process payments. It's simple, reliable and future-proof.

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

Vx 510 Ethernet

Big Things in a Small Package

V^x 510 Ethernet



SPECIFICATIONS

Processor

200 MHz ARM9 32-bit RISC processor

Memory

3 MB – dial only
6 MB (4 MB Flash, 2 MB SRAM)
12 MB (8MB Flash, 4MB 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

Smart Card Reader (Optional)

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

Keypad

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

Wired Peripheral Ports

Two RS-232 ports, one telco port and one Ethernet port support 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

Dial 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/TLS, 3DES encryption; MasterCard PTS approved; 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

0C to 40C (32F to 104F) 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

Unmatched Performance

- 200 MHz 32-bit RISC processor — the fastest processor in the industry for multi-tasking capabilities
- Up to 12 MB of lightning-fast DMM (dynamically managed memory) provide exceptional processing on debit, credit, EBT and value-added transactions
- IP/dial capabilities are built into the same device, so it is easy to switch from one communication option to the other
- 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 with drop-in, "clam shell" loading to simplify paper changing and eliminate jams

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-based transactions
- 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
- MasterCard PTS approved for advanced encryption protection of IP-based communication

Easy to Use

- Intuitive ATM-style interface, large backlit display, ergonomic keys and bold menu prompts minimize clerk training, speed lines, and reduce errors
- Sleek and stylish, with an extremely small footprint and "hand-over" design for customer PIN entry
- VeriFone's VeriShield Retain file authentication software provides unsurpassed security and protection against unauthorized access to payment devices, while also securely accommodating trusted third parties.