

BENEFITS AT A GLANCE

- Superior performance for faster transaction processing, including EMV smart card
- Choice of dial, Ethernet, or wireless connectivity — wherever merchants have a power source
- Multiple payment and value-added applications
- PCI PED approved, advanced security including SSL



Ultra-High Performance with Flexible, Secure Communications

VeriFone's V^x 510 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.

Our proven VeriX-based 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 V^x 510 offers a choice of three connectivity options: Dial, GPRS and Dial, and Ethernet and Dial. The dual communications options allow built-in dial capability to be used today then switched to other communication options at any time. Or merchants with existing broadband or wireless service can immediately process payments over these communications types. It's simple, reliable and future-proof.

The PCI PED approved V^x 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^x 510

Big Things in a Small Package

V^x 510



SPECIFICATIONS

Processor

200 MHz ARM9 32-bit RISC processor

Memory

3 MB – dial only
6 MB [4 MB of Flash, 2 MB 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

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

Wired Peripheral Ports

Two RS-232 ports, one telco port and
one optional Ethernet port support
communications and peripherals
including PIN pads and check readers

Wireless Peripheral Ports

One RS-232 port, one telco port, and
one USB Host port support
communications and peripherals
including PIN pads and contactless
devices

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)

Optional Wireless Modem

Supports Wide Area Wireless
GSM/GPRS on 850/900/1800/1900 MHz

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

Unmatched Performance

- 200 MHz 32-bit RISC processor — the fastest processor in the industry for multi-tasking capabilities
- Up to 6 MB of lightning-fast DMM (dynamically managed memory) provide exceptional processing on debit, credit, EBT and value-added transactions — including EMV smart card
- Optional IP/dial and wireless/dial capabilities are built into the same device so it is easy to switch from one communication option to the other — without attachments
- Service offerings through VeriFone Connect make it easy for merchants to accept wireless electronic transactions wherever they have a power source
- File compression, used in conjunction with high-speed networks or high-speed modems, greatly streamlines application downloads
- Supports IP-based transactions, building upon the VeriX IP infrastructure and its suite of familiar TCP/IP tools

- 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
- Sleek and stylish, with an extremely small footprint and "hand-over" design for customer PIN entry

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
- 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