

BENEFITS AT A GLANCE

- Superior performance for faster transaction processing, including EMV smart card
- Broadband speed wherever merchants have a power source
- Wireless communications create recurring revenue
- PCI PED approved, advanced security including SSL/TLS



Ultra-High Performance with Flexible, Secure Communications

VeriFone's Vx 510 GPRS 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. In addition, the Vx 510 GPRS requires only a power source; no extra cabling needed. A recurring revenue model is available via the wireless service.

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 Vx 510 GPRS offers a choice of GPRS and Dial connectivity. 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 wireless service can immediately process payments using GPRS communication.

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

Vx 510 GPRS

Big Things in a Small Package

Vx 510 GPRS



SPECIFICATIONS

Processor

200 MHz ARM9 32-bit RISC processor

Memory

6 MB [4 MB of Flash, 2 MB of SRAM]
12 MB [8 MB of Flash, 4 MB 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

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, 32
or 42 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)

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/TLS 1.1, 3DES encryption, Master/
Session and DUKPT key management;
PCI PED and Interac 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

- Wireless capabilities are built into the device for faster transactions speeds and shorter checkout lines
- 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 and value-added transactions — including EMV smart card
- 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

- 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

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
- Includes built-in smart card reader and Security Access Modules (SAMs) to support multiple smart card solutions and offer added data protection
- 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, Interac and Derived Unique Key Per Transaction (DUKPT) management, and sophisticated VeriShield and Interac file authentication and tamper resistance
- PCI PED approved for debit and has 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

