Vˣ 510 Ethernet

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.

VeriFone®
THE WAY TO PAY™

Big Things in a Small Package

Vˣ 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
0ºC to 40ºC (32ºF to 104ºF) 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.

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