

ROBUST PERFORMANCE THAT LEADS AND EXCEEDS

The VX 520 leads the way with unprecedented performance, mission-critical features and more of everything you want in a countertop payment device. More revenue opportunities. Flexible connectivity. Uncompromising security and dependability. All on the proven VX platform.

VX 520

Proven, Popular Platform — Evolved For Today

- Runs on the advanced VX Evolution platform — powered by the time-tested VeriX operating system, with over 7 million VeriX-based devices sold
- Backward compatibility eliminates retraining for sales, support and deployment
- Consistency and high usability ensure lower cost of ownership and ease of use

Unparalleled Features Deliver Next Level Performance

- Generates new recurring revenues from value-added applications, thanks to an extraordinary increase in memory of 160 MB standard, increasing to over 500 MB
- Takes advantage of the industry's fastest processor to handle encryption, decryption and processing at lightning speeds — moving more transactions in the same time for greater profits
- Offers a full range of connectivity options with choice of dial, dial and Ethernet, or dial, Ethernet and GPRS — optional battery enables mobility because there are no distance constraints
- Uniquely designed communication port area neatly connects cables under the device for clean countertops
- Incorporates an integrated contactless reader (optional) into the sleek device
- Combines an ergonomic design, small footprint and unique cable management system to optimize handover usage

Reassuring Confidence From Full Spectrum Security

- PCI PED 2.0 approval is standard, with the option of PCI PTS 3.0
- Provides end-to-end encryption with VeriShield Protect, to maximize protection against fraud and misuse

Superior Value From Extended Life Design

- Leverages VeriFone's unmatched reputation for quality with longer-life components to extend the field life of devices and minimize repair frequency
- Metal dome keypad design delivers one of the most reliable keypads in the POS industry
- Landed smart card reader is built for 5x the life expectancy of friction readers



PCI SECURITY OPTIONS



Standard
PCI PED 2.0



Premium
PCI PTS 3.0

Processor
400 MHz ARM11 32-bit processor

Memory
160 MB (128 MB of Flash, 32 MB of SDRAM) standard, can exceed up to 500 MB

Display
128 x 64 pixel graphical (white backlit) LCD with backlighting; supports up to 8 lines x 21 characters

Magnetic Card Reader
Triple track (tracks 1, 2, 3), high coercivity, bi-directional

Primary Smart Card (optional)
ISO 7816, 1.8V, 3V, 5V; 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 backlit keypad, plus 8 soft-function keys and 4 screen-addressable keys

Peripheral Ports
One Ethernet (10/100BaseT), one telco, one RS-232 port, one USB 2.0 Host port and one USB Client port supporting 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

Modem
Standard 56 kbps modem
Bell 103/212a, CCITT V.21/V.22/V.22bis/V.32/V.32bis (300/1200/2400/9600/14400/33.6/56 and HC FastConnect for 1200bps)

Radio (optional)
GPRS Quad band radio
On 850/900/1800/1900 MHz

Contactless Support (optional)
MasterCard PayPass M/Chip
MasterCard PayPass MagStripe
Visa payWave MSD
Visa payWave qVSDC
Discover Zip
American Express ExpressPay
Pass-through access to ISO 14443-4 and MiFare card, for direct host terminal Base access
Secure SoftSAM protects
Hardware SAM optional

Protocols
Application selects between asynchronous protocols (Visa 1, Visa 2, and others) and synchronous protocols (including ISO 8583/SDLC); Communication protocol is V.92/V.34/V.32 BIS/V.32

Security
SSL v3.0, 3DES encryption, Master/Session and DUKPT key management; PCI PED 2.0 standard; PCI PTS 3.0 optional; VeriShield file authentication

Physical
Length: 203 mm (8.0 in.); Width: 87 mm (3.4 in.); Height: 76 mm (3.0 in.); Weight: 500g

Environmental
0° to 40° C (32° to 104° F) operating temperature; 5% to 90% relative humidity, non-condensing; -20° to 60° C (-4° to 140° F) storage temperature

Voltage
AC input 100 - 240 VAC, 50/60 Hz; DC Output 8V 2.25A

<http://vx-evolution.verifone.com/>

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