

# VX520

## 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.



### 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

128x64 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

## PCI SECURITY OPTIONS



**Standard**  
PCI PED 2.0



**Premium**  
PCI PTS 3.0

## PROVEN, POPULAR PLATFORM – EVOLVED FOR TODAY

- Runs on the advanced VX Evolution platform – powered by the time-tested VeriX operating system, with over eleven 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

- Available with VeriFone's NFC software technology, enabling full flexibility to manage multiple NFC mobile wallets, apps and programs. All apps are fully insulated and firewalled from each other and existing payment apps, ensuring complete security on payment transactions while adding wallets, value-add offers, coupons and loyalty support
- Takes advantage of the industry's fastest ARM 11 processor to handle encryption, decryption and processing at lightning speeds – moving more transactions in the same time for greater profits
- Uniquely designed communication port area neatly connects cables under the device for clean countertops
- Combines an ergonomic design, small footprint and unique cable management system to optimize handover usage

## REASSURING CONFIDENCE FROM FULL-SPECTRUM SECURITY

- EMV-ready with standard PCI PED 2.0 approval, with the option of PCI PTS 3.0
- Provides end-to-end encryption with VeriShield Total 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, withstanding more than one million key presses

### 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

3x4 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, 24 lines per second, 24 or 32 columns; standard roll paper 58mm (2.25 in.) x 25M (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) Dual SIM optional

### Radio (optional)

GPRS Quad band radio | On 850/900/1800/1900 MHz  
Optional dual SIM support

### Contactless Support (optional)

ISO 14443 A/B | MasterCard PayPass M/Chip, MagStripe | Visa payWave MSD, qVSDC | Discover Zip | American Express ExpressPay | Pass-through Mifare | Base Access | Secure SoftSAM protects | Hardware SAM optional | Ready for NFC mobile wallets and apps

### 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: 203mm (8.0in.); Width: 87mm (3.4in.); Height: 76mm (3.0in.); 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  
Optional battery with GPRS configuration



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