

# VX520

## ROBUST PERFORMANCE THAT LEADS AND EXCEEDS

VeriFone's 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.



### PROVEN, POPULAR PLATFORM – EVOLVED FOR TODAY

- Rely on it – the VX platform together with the time-tested Verix operating system, for the world's best-selling payment devices
- 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
- Generates new recurring revenues from value-added applications, thanks to an extraordinary increase in memory of 160 MB standard, designed to support up to 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 or dial and Ethernet
- 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 PTS 3.X
- Provides end-to-end encryption with VeriShield Total Protect, secured by RSA, 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
- Landed smart card reader is built for 5x the life expectancy of friction readers



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

#### Processor

400 MHz ARM11 32-bit RISC processor

#### Memory

160 MB (128 MB of Flash, 32 MB of SDRAM) standard, designed to support up to 500 MB

#### Display

128x64 pixel graphical (white backlit) LCD with backlighting; supports up to 8 lines x 21 characters



**Standard**  
EMV Level 1 and 2



**Standard**  
PCI PTS 3.X

#### Mag-stripe

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

#### Primary Smart Card

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)

#### 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.), paper roll size 40mm (1.6 in.) (Contactless only), 49mm (1.9 in.) (all other variants), 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)

#### 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 PTS 3.X is standard | 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

#### Contactless Applications

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 based application access | Secure SoftSAM | Hardware SAM optional

#### NFC Applications

Support for ISO 18092