

VX 520 BIOMETRIC

ROBUST PERFORMANCE THAT LEADS AND EXCEEDS

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



PROVEN, POPULAR PLATFORM – EVOLVED FOR TODAY

- Backward compatibility eliminates retraining for sales, support and deployment
- Consistency and high usability ensure lower cost of ownership and ease of use

REASSURING CONFIDENCE FROM FULL-SPECTRUM SECURITY AND BIOMETRIC ID

- 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
- Simplifies the use of biometric data for even more secure user identification and authentication – optional integrated sensor enables instantaneous fingerprint capture and electronic verification of cardholder's biometric markers

UNPARALLELED FEATURES DELIVER NEXT-LEVEL PERFORMANCE

- Selected model available with VeriFone's industry-leading NFC technology and all major contactless payment programs.
- Generates new recurring revenues from value-added applications.
- Takes advantage of the industry's fastest ARM11 processor to handle encryption, decryption and processing at lightning speeds.
- 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
- Ergonomic design, small footprint and unique cable management system create clean countertops and optimize handover usage

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 withstands more than one million key presses
- Landed smart card reader is built for 5x the life expectancy of friction readers



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)

Biometric Reader

Image size 256 x 360
508 DPI
ISO 19794-2 and 19794-4 algorithm
0° to 70° C Biometric Reader operating temperature;
85% humidity
False rejection rate (0.0013%) and false acceptance rate (0.66%) tested at security level 5

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)

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: 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