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.

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

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.) (all other variants), single ply

MODEM

Standard 56 kbps modem Bell 103/212a, CCITT V.21/V.22/V.22bis/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; -25° 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

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

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