VX820

VIVID PERFORMANCE THAT ENDURES

VeriFone's VX 820 PIN pad puts unmatched payment power and convenience into consumers' hands. Incredibly easy to use and readable in any environment, the slim, stylish payment device provides access to limitless capabilities – while ensuring unsurpassed security and reliability. All on the proven VX platform.

EXTRAORDINARY EASE AND CONVENIENCE

- Good looking: sleek, silver and ergonomic design is not only highly attractive, but also provides for easy handling

- Great viewing: the high-resolution, 3.5" color display, one of the largest on a handover device, ensures terrific readability and better branding opportunities

- Illuminating, blue backlit keypad and intuitive card handling make the device pleasing to look at and lead to fewer consumer errors

- Simplified, single-port connectivity for any environment lets merchants choose from USB, serial or Ethernet connectivity

- Can also be used as part of the VX 820 DUET for a complete solution, including a feature-rich, all-in-one base unit

A HANDFUL OF POWER AND PERFORMANCE

- Available with VeriFone's NFC software technology, enabling full flexibility to manage multiple NFC mobile wallets, apps and programs

- Fully programmable PIN pad securely and efficiently handles credit, PIN-based debit and EMV smart card transactions

- Blazing fast 400 MHz ARM 11 processor and 160 MB of memory enable merchants to simultaneously run more applications and makes short work of transactions

- Up to of 500 MB of memory is available to offer almost limitless capacity for loyalty-building, value-added applications

SECURITY AND RELIABILITY THAT'S SECOND TO NONE

- Landed smart card reader delivers incredible reliability for hundreds of thousands of insertions, and keypad withstands more than one million key presses

- Exceeds industry standards with EMV and PCI PTS 3.X to safeguard sensitive data

- Provides end-to-end encryption with VeriShield Total Protect, secured by RSA, to maximize protection against fraud and misuse

- Built-in security lock slot for a convenient way to lock and secure the VX 820

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
Optional micro SD Flash memory card

Display
240x320 pixel color TFT (QVGA) supports up to 26 lines x 26 characters

PCI SECURITY

Premium
PCI PTS 3.X

Magnetic Card Reader
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
3 Security Access Modules (SAMs)

Peripheral Ports
Single multi-port connector which supports RS-232, USB device, USB Host, Ethernet

Security
SSL v3.0, 3DES encryption, Master/Session and DUKPT key management; VeriShield file authentication; PCI PTS 3.X approved

Physical
Length: 173mm; Max Width of 87mm; Height: 35mm; Weight: VX 820 PIN pad 308g (0.68lb)
Full shipping 890g (1.96lb)

Environmental
0° to 50° C (32° to 122° F) operating temperature; 5% to 90% relative humidity, non-condensing

Voltage
5-12VDC, 3.8W Max (Maximum consumption with backlight and contactless active)

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

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THE WAY TO PAY™

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