VX 820 DUET

ALL IN ONE, TIMES TWO.

VeriFone's VX 820 DUET is the perfect combination – a stylish PIN pad along with a functional base to create a feature-rich countertop device. Together, merchants and consumers get everything they need in one device. All on the proven VX platform.

PCI SECURITY

Premium
PCI PTS 3.X

DUAL DESIGN, DOUBLE THE EASE OF USE

- Dual-purpose design combines a countertop payment device with an ergonomic, programmable PIN pad
- Large, bright, blue backlit keypad is exceptionally user-friendly for both merchants and consumers
- Fits a large, crystal-clear, 3.5", color, touch display and intuitive card handling capabilities into a sleek device
- Base has compact footprint that securely cradles the PIN pad
- Includes a built-in, thermal printer conveniently tucked away – plus USB or serial to simplify peripheral support and dial or Ethernet for connection needs

EXPANDED CAPABILITIES WITHIN EASY REACH

- Available with VeriFone's NFC software technology enabling full flexibility to manage multiple NFC mobile wallets, apps and programs.
- 400 MHz ARM 11 processor combined with 160 MB of memory provides increased processing speeds and ability to run an unbeatable range of applications
- Designed to support up to 500 MB of memory, offering almost limitless capacity for loyalty-building and value-added applications
- Accepts all forms of payment – from credit and PIN-based debit to EMV smart card transactions

RAISING THE BAR ON SECURITY AND RELIABILITY

- Built with durable components such as a smart card reader that takes 500,000 insertions and a keypad that withstands more than one million key presses
- Provides end-to-end encryption with VeriShield Total Protect, secured by RSA, to maximize protection against fraud and misuse

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

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
USB host and RS-232 to support peripheral devices
Telco and Ethernet ports to support communications

Printer
Integrated thermal printer with graphics capabilities, 18 lines per second, 24 or 32 columns, standard paper roll 58 mm (2.25 in.) x 25M, 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)

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

Physical
Length: 178mm (7.01in.); Width: 98mm (3.86in.); Height: 109mm (4.3in.); Weight: terminal, 735g (1.62lbs.)
Full shipping, 1800g (3.96lbs.)

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

Voltage
AC input 100 – 240 VAC, 50/60 Hz;
DC output 8.6 – 9.4 VDC, 4.0 Amp

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

VeriFone®
THE WAY TO PAY™

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

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