BRILLIANCE ON THE GO

VeriFone's VX 680 – the world's smallest full-function, portable handheld payment device is packed with performance, including optional integrated contactless and a large color touch screen. And all on the proven VX platform – making it the perfect choice for businesses on the go.

VX 680

Small In Size, Big On Attention

• A large, sharp 3.5" color display fits into the smallest full-function, portable handheld device

• The eye-catching graphical user interface with convenient resistive touch screen capabilities offers unbeatable ease of use

• An illuminating, blue backlit keypad with built-in spill resistance is ideal for low-lighting situations and the most demanding retail environments

• Rely on it – the VX platform together with the time-tested Verix operating system – for the world's best-selling payment devices

• Backward compatibility with existing applications and accessories for V^x 670 helps protect your investment

More Features, New Opportunities

• Tailored specifically to the needs of merchants on the move – from delivery services and stadium vendors to restaurant pay-at-the-table applications

• Choose your connections – wireless options include GPRS, CDMA, WiFi and Bluetooth to meet any requirement

• Optional, integrated contactless capability opens the door into markets where speed and convenience are essential – such as ticketing and transportation

• Exponential increase in memory to 192 MB standard – exceeding 500 MB with optional Micro SD memory storage – supports new loyalty-building, profit-producing value-added applications

• Power pays off – 400 MHz ARM 11 processor provides 3x faster processing to keep merchants' lines moving and provides quick, trouble-free downloads

• Landed smart card reader delivers incredible reliability for hundreds of thousands of insertions

Uncompromising Security, Plus VX Evolution Value

• Don't take chances! Get unmatched wireless performance and uncompromising security – including PCI PED 2.0 – to protect merchants and reduce your risks

• VeriShield Protect eliminates usable data from merchant applications and networks by encrypting it from end to end

• Part of VeriFone's VX Evolution platform – which offers Next Level Performance, Extended Life Design, and Full Spectrum Security for the toughest payment challenges, today and tomorrow

---

Processor
400 MHz ARM11 32-bit RISC processor

Memory
192 MB (128 MB of Flash, 64 MB of SDRAM) standard, can exceed up to 500 MB
Optional micro SD Flash memory card

Display
240 x 320 pixel color TFT (QVGA) supports up to 26 lines x 26 characters 8 soft-function keys and 4 screen-addressable keys via resistive touch screen

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 Level 2 Approved

SAM Card Reader
3 Security Access Modules (SAMs)

Keypad
3 x 4 numeric keypad, plus screen addressable keys can be simulated on resistive touch screen

Peripheral Ports
Single multi-port connector, which supports RS-232, USB Host, USB Slave, and Integrated Charging

Printer
Integrated thermal with graphics capabilities, 18 lines per second, 22, 32, or 42 columns
Paper roll 38mm with core (2.25 in.) x 15 M, single ply

Wireless Modem
Wireless Wide Area GSM/GPRS on 850/900/1800/1900 MHz;
Wireless Local Area WiFi 802.11b/g;

CDMA2000 EVDO on 800/1900 MHz
Bluetooth local area with communication station supporting dial, LAN or Serial RS-232

Modem Dongle
Optional USB modem dongle Standard 33.6kbps
Dial modem (Bell 103/212a, ITU V.21/V.22/V.22bis/V.32/V.32bis/V.34, synchronous and asynchronous)

Protocols
Application selects between asynchronous protocols (Visa 1, Visa 2, and others) and synchronous protocols (including ISO 8583/SDLC)

Security
3DES encryption, Master/Session and DUKPT key management; VeriShield file authentication; PCI PED 2.0 approved

Physical
Length: 172 mm; Max Width of 82mm; Height: 62 mm; Weight: Terminal 477 g (1.05 lbs), Full shipping 1,219 g (2.68 lbs)

Environmental
0° to 50° C (32° to 122° F) operating temperature; -20° to 60° C (-4° to 140° F) storage temperature; 5% to 85% relative humidity, non-condensing

Voltage
AC input 100-240 VAC, 50/60 Hz
DC output 12 VDC, 2.0 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 cards
Secure SoftSAM
Hardware SAM optional

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

VeriFone
THE WAY TO PAY™