

# 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<sup>x</sup> 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 with the option of PCI PTS 3.0 – 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



## PCI SECURITY OPTIONS



Standard  
PCI PED 2.0



Premium  
PCI PTS 3.0

### 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; PCI PTS 3.0 optional; WPA2-enabled WiFi

### 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/>

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