

# VX 680

## BRILLIANCE ON THE GO

VeriFone's VX 680 – a full-function, portable, payment device 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.



### SMALL IN SIZE, BIG ON ATTENTION

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

### MORE FEATURES, NEW OPPORTUNITIES

- Available with VeriFone's NFC software technology, enabling full flexibility to manage multiple NFC mobile wallets, apps and programs
- Connect wirelessly by choosing GPRS or Wi-Fi/Bluetooth combo or 3G to meet any requirement
- Tailored specifically to the needs of merchants on the move – from delivery services and stadium vendors to restaurants
- Exponential increase in memory to 192 MB standard – designed to support up to 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
- Connected to multiple gateways for payment and value-added processing

### UNCOMPROMISING SECURITY, PLUS VX EVOLUTION VALUE

- EMV-ready with standard PCI PED 2.0 approval, with the option of PCI PTS 3.X
- VeriShield Total Protect, secured by RSA, eliminates usable data from merchant applications and networks by encrypting it from end-to-end



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

#### Processor

400 MHz ARM11 32-bit RISC processor

#### Memory

192 MB (128 MB of Flash, 64 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 via resistive touch screen

### PCI SECURITY



Standard  
PCI PED 2.0



Premium  
PCI PTS 3.X



#### Mag-Stripe 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 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 15M, single ply

#### Wireless Modem

Wireless Wide Area GSM/GPRS on 850/900/1800/1900 MHz | Wireless Local Area Wi-Fi 802.11b/g | Bluetooth local area with communication station supporting dial, LAN or Serial RS-232 | 3G (HSPA+), GPS, Audio/Video player, Dual SIM

#### 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

SSL v3.0, 3DES encryption, Master/Session and DUKPT key management | PCI PED 2.0 comes standard; PCI PTS 3.X is standard for Canada and optional for US | VeriShield file authentication | WPA2-enabled Wi-Fi

#### Physical

Length: 172mm; Max Width: 82mm; Height: 62mm

#### 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 card, for direct host terminal based application access | Secure SoftSAM | Hardware SAM optional

#### NFC Applications

Support for ISO 18092