

# VX 680

## BRILLIANCE ON THE GO

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



### 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

240x320 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

## PCI SECURITY OPTIONS



**Standard**  
PCI PED 2.0



**Premium**  
PCI PTS 3.0



## SMALL IN SIZE, BIG ON ATTENTION

- A large, sharp, 3.5" color display fits into the smallest full-function, portable handheld device
- 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, with more than eleven million devices sold, for the world's best-selling payment devices
- Backward compatibility with existing applications and accessories for VX 670 helps protect your investment

## MORE FEATURES, NEW OPPORTUNITIES

- Available with VeriFone's NFC software technology, enabling full flexibility to manage multiple NFC mobile wallets, apps and programs. All apps are fully insulated and firewalled from each other and existing payment apps, ensuring complete security on payment transactions while adding wallets, value-add offers, coupons and loyalty support
- Tailored specifically to the needs of merchants on the move – from delivery services and stadium vendors to restaurant pay-at-the-table applications
- 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, and keypad withstands more than one million key presses

## UNCOMPROMISING SECURITY, PLUS VX EVOLUTION VALUE

- Uncompromising security – including EMV and PCI PED 2.0 with the option of PCI PTS 3.0 – to protect merchants and reduce your risks
- VeriShield Total Protect eliminates usable data from merchant applications and networks by encrypting it from end to end

### 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

3x4 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 15M, 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: 172mm; Max Width: 82mm; Height: 62mm;  
Weight: Terminal 477g (1.05lbs), Full shipping 1,219g (2.68lbs)

### 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/>