

# vivo<sup>pay</sup>® 8850

## **Rich NFC mCommerce, EMV, PCI and US VISA TIP\* in One Package**

**The first payment platform designed for consumers to make payments, redeem coupons and more with NFC mobile phones, contactless cards, contact smart cards or mag-stripe cards.**

The widespread use of mobile, smart phone and contactless technologies by consumers is changing the way they interact with the world and what they demand from retailers. Consumers equipped with NFC mobile commerce devices will expect even more.

The ViVopay 8850 is the first platform to provide large retailers with advanced functionality and capabilities integrated into a single customer-facing device. The ViVopay 8850 supports NFC peer-to-peer (P2P) protocol allowing merchants to drive their customer loyalty and incentive programs using NFC enabled mobile apps. With the ViVopay 8850 consumers have an intuitive payment process. They can swipe, insert or tap their cards or mobile devices, enter their PIN or signature, receive and redeem real-time offers and promotions through its wide, vividly colored display in an engaging and interactive process.



The ViVopay 8850 achieves all this while still meeting or exceeding today's requirements for a top-of-line payment acceptance device. ViVopay 8850 is PCI 2.1 certified for the highest security with optional signature capture. It accepts payments from existing mag-stripe, EMV and contactless cards, and supports new NFC mobile phones.

Enjoy peace of mind knowing the ViVopay 8850 is future-proof with large application memory and powerful processor enabling retailers to extend cross-promotions, up-selling, and more.

\* VISA Technology Innovation Program (TIP)



## **Benefits**

- **Multifunction Point-of-Interaction:** High resolution widescreen capacitive color display, PINpad, signature capture, contact & contactless EMV, NFC.
- **mCommerce Enabled:** Complete mCommerce solution supports payments, coupons, rewards, and loyalty programs.\*
- **Multiple Secure Payment Options:** Enables acceptance of existing mag-stripe cards, EMV cards and highly secure contactless cards and NFC phones – without ever leaving the consumer's hand.
- **Sleek and Modern Design:** Small footprint optimizes counter space.
- **PCI-PED 2.1 Certified:** Protect your investment beyond 2014.
- **NFC Support:** ISO 18092 / 14443, & P2P.

\* Interfaces with third party or ViVotech solutions: ViVOnfc –ViVOWallet, and ViVOplatform –mLoyalty, mTouch, One-Touch, and Top-of-Wallet



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## Features

- **All-in-One Integrated Point of Interaction:** Built-in contactless functionality avoids the need for future hardware upgrades.
- **Wide Screen Display and Vivid Colors:** High contrast ratio with a 24-bit color display—shows up to 16 million colors in HD format.
- **Capacitive Touch Screen:** Highly durable and resistant to scratching, supporting both finger and stylus input, signature capture optional.
- **Supports Multiple Transactions:** Supports PIN and signature-based credit and debit transactions using mag-stripe, EMV, contactless ISO 14443, MiFare and NFC.
- **PCI 2.1 Certified:** Highly secure and provides the retailer with protection from obsolescence.
- **Remote Download:** Large 32 MB memory for future NFC mobile application.
- **Powerful, Secure, Scalable Processing Engine:** ARM-9, 32-bit processor is a scalable, secure and powerful processing engine with high capacity memory.
- **PINpad:** Tactile keypad meeting requirements for the visually impaired, recessed to provide maximum privacy.
- **Compatibility:** Interfaces to POS and ECR host systems from most leading vendors.
- **Interface Software Development Kit (SDK):** Facilitates rapid application customization.
- **Compliance:** Meets all US EMV & VISA TIP requirements.



## Specifications

|                    |  |
|--------------------|--|
| Contactless:       | ISO14443 A and B; ISO18092   |
| Contact Card:      | ISP7816, EMV compliant   |
| Certification:     | PCI PED 2.1 (online)<br>MasterCard M/Stripe<br>Visa MSD & qVSDC<br>American Express ExpressPay<br>Discover Zip<br>Interac Flash<br>EMV 4.2 Level 1 & 2 |
| Security:          | Master Session<br>DUKPT<br>3DES  |
| Processor:         | Secure ARM9 - 32 bit   |
| Memory:            | 16MB flash, 32MB SDRAM,<br>2MB Data flash  |
| Display:           | Graphic, 24-bit color, HD<br>(16 million colors),<br>480x 272, Backlit   |
| Touch screen:      | Capacitive (soft keys)   |
| Signature capture: | Factory option   |
| Stylus pen:        | Active stylus  |
| Audio:             | Multi-tone buzzer  |
| PINpad:            | Recessed for privacy 13<br>tactile keys, ADA compliant   |
| Magnetic stripe:   | 3 tracks, bi-directional   |
| SAM:               | One  |
| Connectivity:      | RS232 (powered)<br>Powered USB<br>Ethernet   |
| Size (LWD):        | 8.48 x 5.87 x 2.01in<br>215.4 x 149.2 x 51.1mm   |
| Weight:            | 1.25 lbs/0.57 Kg   |
| Power supply:      | +9 to 12VDC  |
| Environment:       |  |
| Storage temp       | 14 to 158 F / -10 to +70 C   |
| Operating temp     | 32 to 104 F / 0 to 40 C  |
| Relative humidity  | 10 to 85% non-condensing   |

\* Application specifications depend on hardware & software configuration.

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