ViVOpay® 4800m

Easily Enable Existing Payment & ECR Systems with Rich NFC mCommerce and Customer-facing Mag-Stripe.

ViVOpay 4800m enables the next generation of merchant loyalty, couponing, and mobile payments.

The ViVOpay 4800m contactless and magnetic-stripe payment device provides merchants with an integrated acceptance device for all payment transactions. Customers can tap their contactless cards, key fobs and NFC mobile phones or swipe their magnetic-stripe cards on the ViVOpay 4800m to make payment.

The ViVOpay 4800m contactless reader takes Near Field Communications (NFC) to new levels, enabling not only next generation payment acceptance such as contactless EMV but also adding one-tap check-out from Google Wallet and other NFC solutions. ViVOpay 4800m enables rich mCommerce (Mobile Commerce) payment, loyalty, and couponing solutions for merchants and retailers worldwide in just a one-tap. The ViVOpay 4800M supports NFC peer-to-peer (P2P) protocol allowing merchants to drive their customer loyalty and incentive programs using NFC enabled mobile apps. The unique form factor allows users to easily upgrade their existing payment solutions to accept NFC applications.

Real-time, touch-based, in-store personal marketing, merchandising and loyalty applications are the new tools benefiting merchants and consumers alike by creating easier and faster checkout while delivering increased savings and improved customer loyalty.

ViVOpay 4800m meets the requirements of VISA's US Technology Innovation Program (TIP) and supports a variety of other contactless payment applications including Google Wallet, MasterCard PayPass, Visa payWave, American Express Expresspay, Discover Zip, and more.

Benefits

- **mCommerce Enabled:** Complete mCommerce solution supports payments, coupons, rewards, and loyalty programs.*

- **Single Point of Acceptance:** Integrated contactless and MSR device accepts all cards in a single attractive customer-facing form factor.

- **Ease of Use:** Simple to integrate expanded contactless experience to deliver one-tap checkout including payment, coupon, reward, and loyalty solutions.

- **Customizable Integration:** Flexible configuration of each contactless application allows adaptation to market needs.

- **Future-Proof**: Contactless EMV and NFC mCommerce ready to meet customer demand.

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

The ViVOpay 4800m scalable architecture supports all major contactless payment programs available today and is ready for the developments of tomorrow.

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ViVOpay® 4800m

Features

- **Contactless:** Compatible with ISO/IEC 14443 Type A and B, ISO 18092 peer-to-peer, NFC and MiFare.

- **Compatibility:** Interfaces with a variety of POS and ECR host systems from leading vendors such as VeriFone, NCR, Ingenico, Thales, Gemalto, Radiant, IBM, Sharp, Micros, Partech, Xpient, and more.

- **Upgradable:** Post-deployment firmware updates by remote download, limited or no device recertification.

- **Performance:** Enables rapid and rich transactions, improving store productivity and operational efficiencies.

- **Implementations:** Retail locations, ticket booths, multi and single-lane merchants, hospitality, QSR, and much more.

- **Consumer Friendly:** Equipped with new, patent-pending dual-loop antenna as well as LEDs and sounds to assure consistent and positive experience.

- **Secure:** Secure transactions with ISO/IEC 14443 Type A/B chip cards in conjunction with dynamic CVV/CVC; secure processor ensures merchant piece of mind.

- **Intellectual Property:** Protected by several patent-pending applications.

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The ViVOpay 4800m can be updated remotely with new applications and has large memory and processing power for future payment programs.

Designed for easy connection to the most popular POS and ECR systems used by retailers today. Built on the latest generation of high performance, secure processors, and is equipped with the Linux operating system and ample application memory.

Specifications

Hardware

Processor:	Secure 32-bit ARM9 processor, with Linux support
Memory:	32 MB RAM, 16 MB Flash, 2 MB Data Flash
MSR	2-track bi-directional
Audio-Visual:	Buzzer & LED
Input Voltage:	9VDC to 12VDC, 0.5A max

Contactless Transactions

Interface:	13.56MHz ISO 14443 Type A, Type B, and Mifare. ISO 18092* support, P2P
Payment Applications:	American Express ExpressPay, Discover Zip, MasterCard PayPass, Visa payWave, FDC STAR Certiflash, InteracFlash
Other Applications:	Google Wallet, Visa Wave*, ViVOcard, ViVOcomm, Pass Through mode

Connectivity

Interface:	Serial RS232
Data Transfer Rate:	Configurable up to 115200 bps
Firmware Upgrades:	Remote firmware download

Physical Dimensions

Height:	5.1 inches (129.5 mm)
Width:	(Widest) 6.2 inches (157.5 mm)
Depth:	2.4 inches (60.9 mm)

Environmental

Operating Temp:	0 to 40 °C (32 to 104 °F)
Storage Temp:	-18 to 70 °C (0 to 158 °F)
Operating Humidity:	20% to 90% relative humidity, non-condensing

* Application specifications depend on hardware & software configuration.

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