

vivo^{pay} Vend

Convenient Contactless, NFC Mobile and Mag-Stripe Payments at Vending Machines

ViVOpay Vend can be integrated with most vending machines to provide convenient card and mobile phone payments.

The ViVOpay Vend contactless and MSR payment device provides vending machine operators with an integrated acceptance device for contactless cards, NFC* mobile phones and magnetic stripe cards. Customers just tap or swipe to make a payment, while being guided through the payment process via the integrated high-contrast display.

The ViVOpay Vend is also capable of "remote download" to update its firmware applications without need for local intervention. This capability, combined with larger memory, provides a truly future-proofed solution. ViVOpay Vend is equipped with a powerful ARM processor, enabling additional processing power for advanced contactless applications, and is designed with a variety of mounting options to accommodate quick mounting onto a wide range of vending machines.

ViVOpay Vend supports multiple applications such as MasterCard® PayPass™, Visa® payWave, ExpressPay from American Express™, and Discover® Zip™ and is capable of EMV-based One Smart® MasterCard® PayPass™ and Visa® pay Wave qVSDC.

The ViVOpay Vend also supports private-label gift and loyalty cards and is ready for future scalability. Vending machine operators can rest assured that the investment of today will support the developments in contactless payments of the future.

Benefits

- **Integrated:** contactless and MSR device accepts all cards in a single attractive customer-facing form factor easily installed on a vending machine.
- **Future-proof:** Firmware applications can easily be updated remotely.
- **Additional Applications:** Equipped with new powerful ARM processor for advanced contactless functionality.
- **Easy Integration:** RS-232 connectivity combined with ViVOtech serial interface or OPOS driver.
- **Profitable:** Items sold are not limited to by denomination, hence can be marketed more competitively.



Single point of acceptance for all major contactless payment cards, key fobs and NFC phones as well as existing magnetic-stripe cards.

* NFC : Near Field Communication

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Features

- **Contactless:** Accepts transactions from consumers using ISO/IEC 14443 Type A and B, NFC, and MiFare cards and key fobs.
- **Compatibility:** Interfaces to a variety of vending machines.
- **Remote Download:** Post-deployment firmware updates via remote download without requiring additional hardware or device resetting.
- **Easy Integration:** RS-232 connectivity combined with ViVOtech serial interface.
- **Speed:** Enables quick transactions improving vending machine-based sales.
- **Consumer Intuitive:** Equipped with LEDs and sound to provide visual and audible cues to enable smooth and seamless transactions.
- **Secure:** Secure transactions with ISO/IEC 14443 Type A/B chip cards in conjunction with dynamic CVV/CVC.
- **Intellectual Property:** Protected by several patent-pending applications.

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Specifications

Hardware

Processor:	ARM processor
Display:	2-line, 64-Character high-contrast display
MSR:	2-track bi-directional
Audio-Visual:	Beeper and LEDs
Input Voltage:	7.5-45VDC, 700mA-1A

Contactless Transactions

Interface:	13.56MHz ISO 14443 Type A/Type B and MiFare
Payment Applications*:	American Express ExpressPay Discover Zip Mastercard <i>PayPass</i> Mstripe (M/Chip capable) Visa payWave MSD and (qVSDC capable) JCB/Jspeedy

Other Contactless Applications:	ViVOcard Pass-Through mode
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Connectivity

Interface:	Serial RS-232
Firmware upgrades:	Remote firmware download

Physical Dimensions

(excluding mounting frame)

Height (X):	108 mm
Length (Y):	85.4 mm
Width (Z):	53.5mm

Environmental

Operating Temp.:	-10F to +150F (-25C to +70C)
Storage Temp.:	-10F to +150F (-25C to +70C)
Operating Humidity:	5% to 95% non condensing
Other:	Weather-proofed UV-rated plastic enclosure

*Specific product specification will depend on hardware and software configuration.

Domestic offices:

**ViVOtech
Corporate Headquarters**
451 El Camino Real,
Santa Clara, CA 95050
Phone: (408) 248-7001

International offices:

Singapore
152 Beach Road #02-08
Gateway East Singapore 189721
Phone: (65) 6334-9045

Japan
Shinagawa Intercity
Tower A, Level 28
2-15-1, Konan, Minato-ku
Tokyo 1086028 Japan
Phone: +81 3 6717 4223

Europe
1 Birling Road
Tunbridge Wells
Kent TN2 5LX
United Kingdom
Phone: +44 870 803 2515



www.vivotech.com
sales@vivotech.com