

# vivo<sup>pay</sup> 4500m

## Customer Facing Contactless and Mag-Stripe System Powerful and Scalable

**ViVOpay 4500m allows merchants to simplify check-out and deliver customers advanced contactless programs.**

The ViVOpay 4500m 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 4500m to make a payment.

The ViVOpay 4500m is also capable of "remote download" to update its firmware applications without the need of local intervention. This capability, combined with larger memory, provides a truly future-proofed solution equipped with a powerful ARM processor enabling additional processing power for advanced contactless applications.

ViVOpay 4500m supports multiple applications such as MSD-based MasterCard® PayPass™, ExpressPay from American Express™, Visa® payWave and Discover® Zip™ and capable of EMV-Based OneSmart® MasterCard® PayPass™ and Visa® payWave qVSDC.

The ViVOpay 4500m also supports private-label gift and loyalty cards and is ready for future scalability. Merchants can rest assured that the investment of today will support the developments in contactless payments of the future.

### Benefits

- **Single Point of Acceptance:** Integrated contactless and MSR device accepts all cards in a single attractive customer-facing form factor.
- **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.
- **Low Cost:** Upgrading existing POS systems costs only a fraction of replacement for new contactless-enabled POS.

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*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 POS and ECR host systems from leading vendors such as VeriFone, Ingenico, Hypercom, Lipman, Axalto, Dione, NCR, Radiant, IBM, Sharp, Micros, Partech, @POS, Xpient, Compris, Aloha, etc.
- **Remote Download:** Post-deployment firmware updates via remote download without requiring additional hardware or device resetting
- **Easy Integration:** USB or RS-232 connectivity combined with ViVOtech serial interface or OPOS driver.
- **Speed:** Enables quick transactions, improving store productivity and operational efficiencies.
- **Implementations:** Retail locations, ticket booths, multi-lane merchants, single-lane merchants, hospitality, car rental, and much more.
- **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.

## Specifications

### Hardware

Processor:	ARM processor
MSR:	2-track bi-directional
Audio-Visual:	Beeper and LEDs
Input Power:	9-12VDC, 700mA-1A

### Contactless Transactions

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

Other Contactless Applications:	ViVOcard Pass-Through mode
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### Connectivity

Interface:	Serial RS-232/USB 1.1
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% non-condensing

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\* 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](http://www.vivotech.com)  
[sales@vivotech.com](mailto:sales@vivotech.com)