

vivo^{pay} 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

vivo^{pay}® 4500m



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.

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