



vivo^{pay} 4500

Versatile Integration with POS and ECR Systems

Powerful and Scalable

ViVOpay 4500 delivers a powerful new platform for advanced merchant contactless programs.

The ViVOpay 4500 contactless payment device provides additional processing power for advanced contactless and NFC* mobile phone payment applications. ViVOpay 4500 is equipped with the powerful ARM processor, enabling it to support multiple applications such as EMV-Based OneSmart® MasterCard® *PayPass*™ and Visa® *payWave* qVSDC as well as MSD-based MasterCard® *PayPass*™, ExpressPay from American ExpressSM, Visa® *payWave* and Discover® *Zip*™.

The ViVOpay 4500 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 for advanced contactless applications.

The ViVOpay 4500 adapts easily to a wide variety of existing Point of Sale (POS) terminals and Electronic Cash Register (ECR) systems providing complete integration with the merchant system and check-out lane. With ViVOpay 4500, merchants with digital signature pads and customer or clerk-facing POS or ECRs systems will be able to start accepting contactless cards and key fobs.

Benefits

- **Additional Applications:** Equipped with new powerful ARM processor for advanced contactless functionality.
- **Easy Integration:** Adapts to POS and ECR systems providing for physical and functional integration.
- **Future-Proof:** Firmware applications can easily be updated remotely.
- **Speed and Convenience:** Rapid check-out time during peak hours.
- **Low Cost:** Upgrading existing POS systems costs only a fraction of replacement for new contactless-enabled POS.



ViVOpay 4500 scalable architecture supports all major contactless payment programs of today and is ready for the developments of tomorrow.

* NFC : Near Field Communication

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Hypercom T4100®



Micros Ultra®



Ingenico 5100®



Verifone OMNI 3750®



Lipman Nurit 8320®

The small footprint and flexible design of the ViVOpay 4500 was crafted to give merchants a variety of mounting options and provide for complete visual integration to POS or ECR systems.

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, NCR, Ingenico, Hypercom, Thales, Gemalto, Radiant, IBM, Sharp, Micros, Partech, Xpient, Compris, Aloha, etc.
- **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.

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Specifications

Hardware

Processor:	ARM processor
Audio-Visual:	Beeper and LEDs
Input Power:	7.5V-9VDC, 700mA

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 (qVSDC capable) JCB/Jspeedy
Other Contactless Applications:	ViVOCARD Pass-Through mode

Connectivity

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

Physical Dimensions

Height:	(Unfolded) 5 inches (125.0 mm) (Folded) 2.5 inches (62.5 mm)
Width:	(Widest) 4.2 inches (105.0 mm)
Depth:	.7 inches (10 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

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



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