



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

vivo^{tech}

vivo^{pay} 4500



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.

* ViVOTech, ViVOFob, ViVOCARD, ViVOPAY, ViVOPPlatform are trademarks or registered trademarks of ViVOTech Corporation. All other trademarks or brand names are the properties of their respective holders. Features and specifications are subject to change without notice.

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

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.



www.vivotech.com
sales@vivotech.com