



ViVO^{pay} 3000™

Countertop Contactless Reader for New and Existing POS and ECR Systems

Quickly and easily upgrade merchant devices to accept convenient and secure contactless payments.

ViVOpay 3000 is a plug-and-play Point-of-Sale (POS) terminal adapter that empowers millions of merchants worldwide to accept contactless credit/debit cards.

ViVOpay 3000 is compatible with MasterCard® PayPass™, ExpressPay™ from American Express® and Visa® contactless payment programs in addition to private-label contactless gift and loyalty cards.

Consumers just tap their credit/debit cards in front of the ViVOpay 3000-enabled POS terminal to initiate a transaction. Merchants using the technology have a more convenient checkout process with faster lines at peak hours.

ViVOpay's flexible design will fit any sales counter or store design; merchants can place the unit at the existing location without moving their POS system.



Serial port interface for additional functionality.

Benefits

- **Speed and Convenience:** Quick, contactless payments speed up checkout lines at merchant locations.
- **Easy to install and upgrade:** Merchants can plug-and-play to easily install ViVOpay 3000 on their existing systems.
- **Next-generation payments:** Consumers pay for goods and services by just tapping the card.
- **Low cost:** A fraction of new POS terminals costs.
- **Flexibility:** Permits optimal physical placement of unit at any counter space.



ViVOpay connects to the POS systems by either a direct serial connection, for additional functionality such as personalized messages and promotions or by the patent-pending Dynamic Strip™ and ViVOsmartcable™ technologies; which enables contactless payments in minutes with minimal changes.

Easy and fast retrofit solution using the Dynamic Strip technology.

ViVOtech®
Quicker than cash, Safer than checksSM

(*) Transaction World Magazine "Contactless Payment Solutions - MasterCard PayPass" January, 2004 American Express "ExpressPay from American Express" Smart Card Alliance SmartTalk July, 2004

vivopay 3000™



Features

- **Contactless (RF) Technology:** Accepts payments using contactless ISO 14443 Type A and B, ISO 15693, MIFARE®, MIFARE® Ultralight and NFC.
- **Universally compatible:** Works with most POS and ECR terminals old and new, including most models from VeriFone, Hypercom, Ingenico, Lipman, Micros, IBM, Toshiba and many more - leaving intact existing functionality.
- **Flexible design:**
 - Small footprint maximizes existing counter space.
 - Large overlay area allows for optimum branding opportunities.
- **Programmable Software Capability:** Contains complete upgrade and update capabilities. When applicable, merchants can add new functionalities or applications.
- **Value-added services:** Direct serial connection to ECR systems and POS terminals, allowing for personalized communication such as e-coupons and messages to be transmitted to consumer cards.
- **Quick install:** Dynamic Strip™ and VIVOsmartcable™ technologies allow merchants to quickly and easily retrofit existing magnetic strip POS systems.
- **Enhanced Security:** Provides secure transactions with ISO/IEC 14443 Type A/B chip cards.

* VIVOTECH, ViVOPay, ViVOPlatform, Dynamic Strip and VIVOsmartcable 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.

Specifications

Hardware

Serial Port:	RS 232 serial port for connection to a Electronic Cash Registers (ECR) or POS terminal
VIVOsmartcable:	Integrated keyboard and magnetic stripe reader face simulator

Standards

Contactless Interface:	13.56 MHz ISO 14443 Type A/B (Optional ISO 15693, NFC, Mifare® Ultralight and I-CODE).
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Physical

Height:	4.8 in (122.0 mm)
Width:	5.2 in (132.0 mm)
Depth:	4.2 in (106.0 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

Power

Voltage:	120 VAC, 60 Hz (US)
	220 VAC, 50 Hz (International)

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