PAYMENT

cVEND PIN flex

Unattended Payment Terminal with fully integrated NFC Unit

- Flexible secure Linux platform to develop own applications
- Solo operation (Tap & PIN) or with optional hybrid card reader for chip & magnetic stripe
- Combines contactless payment with PIN entry in just one device
- High contrast multi-color graphic display
- Barrier-free and robust stainless steel keypad
- PCI PTS 5.x and EMVCo L1 certified

The cVEND PIN terminal combines in a unique way contactless Chip & PIN payment in one compact and robust device for unattended payment.

cVEND PIN makes Tap & Go and Chip & PIN transactions easy and fast and simplifies the integration into various unattended applications. A separate contactless unit is no longer needed.

The bright color display covered by a robust glass and the durable stainless steel keypad with embossed symbols makes cVEND PIN suitable for outdoor applications in public areas, offers optimal user guidance and ensures barrier-free usage.

cVEND PIN is designed for stationary and mobile ticket vending machines and provides low power sleep mode for solar-powered applications.

The secure Linux based cVEND PIN operating system provides the multi-application architecture which is well known from the cVEND plug contactless only terminals.

This architecture enables the fast and secure parallel execution of payment transactions and closed-loop applications.

PCI P2PE compliant remote key loading and fail save software update functions are additional operating system features.

For application development the already existing and easy to use cVEND SDK is provided with extended functionality.

cVEND PIN is available as an OEM platform for system integrators or with various approved payment applications for different countries.

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Optionally with hybrid card reader for magnetic stripe and chip cards

Technical Data

Housing	Stainless steel with glass and polycarbonate, UL94 V0
Dimensions (W x H x D))	
overall	92,5 mm x 141 mm x 47 mm
visible	82 mm x 120 mm x 14 mm
Environmental conditions	
Operation	-25 °C to +70 °C
Storage	-30 °C to +80 °C
Humidity	5 % to 95 % condensing moisture resistant coating
Power Supply	
Voltage	12 to 42 V DC
Connector	MDB
Power Consumption	
Operation	typ. < 15 W
Stand by	< 10 mW (Wake-up by digital input and time controlled)
User interface	2,8" high brilliance color display 320 x 240 pixel (500cd/m2). Impact,scratch and fire resistant front glass, 4 green LED's Internal multi frequency buzzer & audio output
Keyboard	Stainless Steel Key-Pad, 16 keys and iluminated. Vandalism proof
Contactless Interface	ISO/IEC 14443-A / -B contactless payment cards, mobile devices in card emulation mode, MIFARE, ISO 15693 and other contactless cards
SAM Interface	2 x SAM Sockets
Peripheral Interfaces	MDB-Slave, Ethernet 10/100 Mbps, 2x RS232 (V.24), 2x USB 2.0 Host, Buzzer signal output 1x electrically isolated digital output
Online Connection	Ethernet, IP over USB
CPU & Security	Secure ARM 9 CPU, real time memory encryption, cryptographic hardware acceleration and a true random number generator Tamper-proof hardware, protection against side-channel attacks
Clock	Real Time Clock – Battery backed
Memory	
RAM	128 Mbyte
FLASH	256 Mbyte

Conformity to standards

Payment	PCI PTS 5.x, SRED Common.SECC POI Protection profile V.4
Contactless	EMVCo Contactless Level 1 - V3.0a
Available Level 2 Payment Kernel	Mastercard Contactless Reader 3.1.1 VISA Contactless Payment 2.2 American Express Expresspay 3.1 Discover D-PAS 1.0 RuPay qSPARC 2.0 PURE 2.1.8 CPACE 1.1 EMV Level 2 Contact 4.3g
Environment	RoHS 2011/65/EU
Vibration / Shock	EN 50155
Protection class	(front, installed correctly)
Impact protection	IK10
IP class	IP65
Electrical Approvals	CE, FCC, BIS, UKCA

Accessories

Development Devices, Tools and SDK on request

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