cVEND PIN DE

Unattended Payment Terminal with fully integrated NFC Unit

- Combines contactless payment with PIN entry in just one device

- Solo operation (Tap & PIN) or with optional hybrid card reader for chip & magnetic stripe

- High contrast multi-color graphic display

- Suitable for solar powered solutions

- Barrier-free and robust stainless steel keypad

- Approved according to TA 7.2 and DC-POS 3.0 for girocard, credit / debit cards and mobile payment

- Approved by numerous German PSPs

cVEND PIN combines PIN input and NFC reader in a robust housing and can be easily used in many indoor and outdoor applications.

The terminal, which has been approved by numerous network operators, provides an seamless integration thanks to its standardized ZVT and MDB cash register interface.

The low power consumption in standby mode allows the use in battery-powered vending machines.

The high-contrast color display, the high-quality and illuminated stainless steel keypad and the NFC unit in the display are the fundamentals for intuitive operation.

The terminal is suitable for various unattended contactless payment applications such as Vending, Parkting, EV-Charging or Transit.

Flexibly configurable MDB interface for a wide range of vending machine controllers.

Closed-loop cards (e.g. MIFARE, CIPURSE, ITSO, VDV-KA) can also be processed in parallel with credit and debit cards.

The terminal supports age verification with the german girocard.

Additional currencies and languages can be configured for operation outside Germany.

cVEND PIN is designed and tested ready for use in vehicles.

cVEND PIN DE

Unattended Payment Terminal with fully integrated NFC Unit

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

Battery	3 V Lithium Battery, 1000 mAh, Lifetime 15 years at 25 °C

Conformity to standards

Payment	PCI PTS 5.x, SRED TA 7.2 Addendum 5, DC-POS 3.0 debit / credit Common.SECC POI Protection profile V.4
Contactless	EMVCo Contactless Level 1

Supported Payment Schemes
girocard Contactless
VISA Contactless (incl. V PAY)
Mastercard Contactless (incl. Maestro)
American Express Expresspay
Discover D-PAS
JCB Contactless
UnionPay QuickPass

Supported Payment Schemes with opt. SHCR
girocard, Visa, Mastercard,
American Express, Discover, JCB, Unionpay

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

Terminalsoftware

Supported PSPs (alphabetical)
epay
Lavego
PAYONE
SIX
TeleCash
VR Payment

ECR Interfaces	ZVT cash register interface via LAN (optional SSL / TLS encryption), USB or RS232 MDB interface
Features	ZVT-H host protocol Multi-Currency and Multi-Language support Menu for easy setup, diagnosis and configuration Failsafe application and OP-System Update Age Verification (german girocard only)