cVEND box+ PayServ.GWS

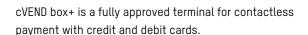# Terminal for contactless payment & ticketing

- **International multi acquirer payment acceptence via the FEIG PayServ.Gateway Solution**

- Robust housing for indoor and outdoor use

- EVA compatible dimensions

- Easy vending machine / cash register integration

- Suitable for solar powered solutions

- Easy integration due to compatible ECR interfaces with other international cVEND solutions provided by FEIG

cVEND box+ is a fully approved terminal for contactless payment with credit and debit cards.

The robust housing with EVA CVS compliant dimensions enables easy installation in multiple indoor and outdoor applications.

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

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

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

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

For international use Multiple currencies and languages can be configured.

Flexible support of closed-loop cards via ZVT cash register protocol or independent transparent application.

cVEND box+ PayServ.GWS
Terminal for contactless payment & ticketing

Technical Data

Housing	Polycarbonate, UL94 V0

Dimensions (W x H x D))

overall	110 mm x 142.5 mm x 40 mm (EVA CVS comp.)
visible	86 mm x 108 mm x 15 mm

Environmental conditions

Operation	-30 °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	Max. 8 W
Stand by	< 10 mW (Wake-up by digital input and time controlled)

User interface	6 LED (4 green, 1 red, 1 yellow) internal multi-frequency Buzzer, illuminated Contactless Logo Graphical OLED display (yellow), 128 x 32 Pixel

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	4 x SAM Sockets
Memory expansion	microSD Socket (SDIO/SD, V 2.0)
Peripheral Interfaces	MDB-Slave, Ethernet, RS232 (V.24), USB 2.0 Device and Host
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, 540 mAh, Lifetime 15 years at 25 °C

Conformity to standards

Payment	PCI PTS 5.x, SRED
Contactless	EMVCo Contactless Level 1 CEN/TS 16794-1:2017 Class D

Supported Payment Schemes	VISA Contactless (incl. V PAY) Mastercard Contactless (incl. Maestro) American Express Expresspay

Environment	RoHS 2011/65/EU
Vibration / Shock	IEC 60068-2-6, IEC 60068-2-27, EN 50155, IEC 61373

Protection class (front, installed correctly)

Impact protection	IK10
IP class	IP65

Electrical Approvals	CE, FCC, IC, BIS, UKCA EN ECE – R10 (Automotive in conjunction with related components) ISO 10605, Category 3

Terminalsoftware

Supported PSP	FEIG PayServ.Gateway Solution
ECR Interfaces	ZVT cash register interface via LAN (optional SSL / TLS encryption), USB or RS232 MDB interface
Features	Multi-Currency and Multi-Language support Failsafe application and OP-System Update