

cVEND compact II - Solutions with payment app from FEIG

COMPACT CONTACTLESS RETROFIT SOLUTION

- Integrated LTE modem, LTE antenna and MDB interface
- Low-power sleep mode for solar-powered machines with wake by card
- Multi-Application architecture enables independent acceptance of contactless open-loop banking cards and closed-loop tickets
- Flexible secure Linux platform to develop own application
- PCI PTS 6.x and EMVCo L1 3.1a certified payment



cVEND compact II is the powerful PCI PTS 6.x certified next generation and backwards compatible successor of the cVEND compact LTE first generation, which has been used successfully in thousands of indoor and outdoor projects.

cVEND compact II is a future-proof solution for open-loop and closed-loop projects in vending, parking and many other applications.

With its compact and robust housing and the integrated LTE modem and the MDB interface many indoor and outdoor machines can be retrofitted.

cVEND compact II is based entirely on the proven cVEND plug II platform and fully approved for open-loop payment by EMVCo and PCI PTS.

Due to the low power consumption and a special low-power standby mode, it is also ideal for battery or solar-powered applications. Wake-up from standby can be performed via card detection, time-controlled or via a digital input.

The available cVEND compact II variants cover applications for Germany (DK) and international use (PayServ.GWS). cVEND - alpha offers particular flexibility, as the decision on a payment service provider does not have to be made until shortly before commissioning.

cVEND compact II - alpha

Alpha is the version offering maximum flexibility for choosing a payment service provider. cVEND - alpha offers all the functions needed for testing and setting up the terminal. The final payment app can be conveniently downloaded remotely via our PayServ.SolutionSuite.

cVEND compact II.DK (Deutsche Netzbetreiber)

Versions with payment app installed for a German payment service provider. You can choose from numerous German payment service providers that support cVEND terminals.

cVEND compact II - PayServ.GWS

The variant for international use with FEIG's acquirer-independent payment service - PayServ.GatewaySolution.

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Compact contactless retrofit solution

Technical Data

Housing	Polycarbonate, semi transparent, UL94 V0
Dimensions (W x H x D)	
Overall	86 mm x 94 mm x 33 mm
Environmental conditions	
Operation	-30 °C to +70 °C
Storage	-30 °C to +80 °C
Humidity	5 % to 95 % condensing moisture-repellant coating
Power Supply	
Voltage	8 - 42 V DC
Power Consumption	
Operation	typ. < 12 W Peak max. 24 W
Standby	36 mW (with modem logged in)
Wake-up	digital input, timer, card detection
User Interface	6 LED (4 green, 1 red, 1 yellow) internal multi-frequency buzzer, illuminated contactless logo
Contactless Interface	ISO/IEC 14443-A /-B ISO/IEC 15693 Support of contactless payment cards, mobile NFC devices in card emulation mode, MIFARE, Calypso, Sony FeliCa and other
SAM Interface	4 x SAM Sockets with optional SAM Extension Board
Memory Expansion	1 x SAM Socket ID000 format
Peripheral Interfaces	LTE Modem, MDB Slave, Ethernet, RS232 (V.24), USB 2.0 OTG
Online Connection	Integrated LTE modem (2G 4G), Integrated LTE modem (2G 4G), antenna, Ethernet, IP over USB
Digital I/Os	2 x digital output (short circuit protected, open collector), Configurable functions 2 x digital inputs with configurable functions
CPU & Security	Secure ARM Cortex-A7 CPU up to 1 GHz with real time memory encryption, cryptographic hardware acceleration, true random number generator, tamper-proof hardware
Memory	RAM 512 Mbyte, FLASH 1 GByte
Operating System	Linux based cVEND.OS
Clock	Real Time Clock - Battery backed
Battery	3 V Lithium Battery, 550 mAh, Lifetime 15 years at 25 °C

Standard Conformity

Payment Security	PCI PTS 6.x, SRED
Contactless	EMVCo Contactless Level 1 - V3.1a
Environment	RoHS 2011/65/EU
Vibration/Shock	IEC 60068-2-6, IEC 60068-2-27
Protection class	(front, installed correctly)
Impact protection	IK10
IP class	IP65
Electrical Approvals	CE, ISO 10605, Category 3

Terminalsoftware

Cash register interfaces	ZVT Cash register interface via LAN (SSL / TLS encryption), USB or RS232 MDB Cash register interface
Functions	Configurable languages and currencies, fail-safe update

cVEND compact II - alpha

Specific functions	Remote loading of a productive app for a payment service provider via PayServ.SolutionSuite
Supported payment systems	In accordance with the selected payment service provider's offering

cVEND compact II.DK

Specific functions	Age verification (girocard only)
Approvals	TA 7.2 , DC-POS 3.0 debit/ credit
Supported payment systems	girocard, VISA, Mastercard, American Express, Discover, JCB, UnionPay
Supported payment providers	epay, Lavego, PAYONE, TeleCash, VR Payment,

cVEND compact II - PayServ.GWS

Supported payment systems	VISA, Mastercard, American Express
Payment service provider	FEIG