PAYMENT

cVEND compact LTE - PayServ.GWS

Compact retrofit solution for machines

- **International multi acquirer payment acceptence via the FEIG PayServ.Gateway Solution**
- Easy integration due to compatible ECR interfaces with other international cVEND solutions
- Integrated LTE modem & antenna
- Low-power sleep mode for solar-powered machines
- Proximity sensor for reliable wake-up
- MDB cash register interface

cVEND compact is based entirely on the proven cVEND plug platform for contactless payment debit and credit cards.

With its compact and robust housing, many machines can be retrofitted indoors and outdoors.

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

Integrated fixed price system and configurable digital inputs / outputs including emulation of coin validators.

Its design and diverse interface enable a wide variety of applications in vending, parking, EV charging, even where no payment terminal could previously be installed.

Low-power standby mode for solar-powered applications and optimized MDB processes.

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.

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Technical Data

Housing	Polycarbonate, partially 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 resistant coating
Power Supply	
Voltage	8 - 42 V DC
Power Connector	MDB (with optional adapter cable)
Power Consumption	
Operation	typ. < 12 W | Peak max. 24 W
Standby	< 3 mA at 12 V (with modem logged in)
Wake-up	Proximity sensor, MDB or time controlled
User interface	6 LED (4 green, 1 red, 1 yellow) internal multi-frequency Buzzer, illuminated Contactless Logo
Contactless Interface	ISO/IEC 14443-A / -B contactless payment cards, mobile NFC devices in card emulation mode, MIFARE, ISO 15693 and other contactless cards
SAM Interface	1 x SAM Socket MSAM 1 x SIM socket ID000 format for mobile SIM card
Peripheral Interfaces	MDB Slave, Ethernet, RS232 (V.24), USB 2.0 Device, external card reader
Digital I/Os	2 x digital output (short circuit protected, open collector), Configurable functions: static output, coin acceptor emulation 2 x digital inputs with configurable functions
Online Connection	Integrated LTE modem (2G | 4G), integrated LTE antenna and connector for optional external antenna, 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, not removable. 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
Protection class	(front, installed correctly)
Impact protection	IK10
IP class	IP65
Electrical Approvals	CE, UKCA ISO 10605, Category 3

Terminalsoftware

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

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