

NEW
GENERATION

cVEND PIN II - Platform for App Development

OUTDOOR TERMINAL WITH STAINLESS STEEL PIN-PAD

- Contactless Payment and Stainless Steel PIN Pad for barrier-free payment
- Optional for hybrid card reader for chip & magnetic stripe
- Flexible secure Linux Platform to develop own applications
- Highest level of vandal resistance (IK10)
- PCI PTS 6.x certified
- Optional hybrid card reader for chip & magnetic stripe



cVEND PIN II is the next generation of the proven cVEND PIN and combines PCI PTS 6.x certification, backward compatibility, and enhanced performance for secure and fast payment transactions.

The cVEND PIN II was designed for reliable outdoor use. Its bright color display, rugged glass cover, and stainless steel keypad ensure comfortable and accessible operation.

Its low power consumption in standby mode also allows for use in battery-powered kiosks.

To support contact-based chip cards and magnetic stripe cards, the cVEND PIN II can be expanded with the optional cVEND SHCR II hybrid card reader.

cVEND PIN II is another member of the proven cVEND terminal family. The cVEND.OS Multi-Application architecture supports open loop payment cards and mobile wallets as well as closed-loop cards like MIFARE, CIPURSE, ITSO, VDV-KA, or Calypso with the same priority.

Due to the secure infrastructure provided by FEIG and its security architecture with crypto plug-ins for symmetric and asymmetric encryption, key derivation and remote key loading, cVEND PIN II is suitable for PCI P2PE solutions.

Depending on your needs cVEND PIN II can be supplied in different software configurations:

cVEND PIN II.L2

With the L2 version, FEIG provides a terminal that is fully configured to customer requirements. This includes loading customer applications and keys in our PCI P2PE-certified key injection facility.

cVEND PIN II - generic

With the generic version, system integrators can load their applications and keys onto the terminal themselves or use FEIG's PCI P2PE-certified services for remote loading of applications and keys.

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Outdoor Terminal with stainless steel PIN-Pad

cVEND PIN II – Platform for App Development

Technical Data

Housing	Stainless steel with glas and polycarbonat [_UL94 V0]
Dimensions (W x H x D)	
Overall	92,5 mm x 141 mm x 48,8 mm
Visible	82 mm x 120 mm x 14 mm
Temperature Range	
Operation	-30 °C to +70 °C
Storage	-30 °C to +80 °C
Humidity	5 % to 95 % condensing moisture-resistant coating
Power Supply	
Spannung	10 to 30 V DC
Connection	via MDB
Power Consumption	
Operation	typ. < 15 W
Standby	< 10 mW Wake-up via digital input, Card detection, timer
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 multi-frequency buzzer and audio output
Keyboard	Stainless Steel Key-Pad, 16 keys, illuminated. Vandalism proof
Contactless Interface	ISO/IEC 14443-A / -B Contactless debit and credit cards, mobile NFC devices in card emulation mode, MIFARE, ISO 15693, and other contactless cards
SAM Interface	2 x SAM Socket
Interfaces	2 x Ethernet 10/100 Mbps, 1 x MDB (Slave), 2 x RS232 (V.24), 1 x USB 2.0 OTG
Online Connection	Ethernet, IP over USB, optional LTE Modem
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 Lithiumbatterie, 1000 mAh, lifetime up to 15 years at 25 °C

Standard Conformity

Payment Security	PCI PTS 6.x, SRED, Common.SECC
Contactless	EMVCo Contactless Level 1
Available Level 2 Payment Kernel	Mastercard Contactless Reader VISA Contactless Payment American Express Expresspay Discover D-PAS JCB contactless Union Pay contactless PURE (for mada and multiple domestic schemes) CPACE (for CB, Bancontact and others) EMV Level 2 Contact
Environment	RoHS 2011/65/EU
Railway	EN 50155, EN 45545, EN 61373 ready
Protection Classe	Front side: IP65
Vandalism	IK10
Electrical Approvals	CE, FCC, IC

Product Versions

Software Configurations

L2-Custom Configuration with customer App and Key loading in secure FEIG production facility
Generic Secure device designed for local or remote

Outdoor Terminal with stainless steel PIN-Pad

cVEND PIN II – Solutions with FEIG's Payment App

Optional Accessories

LTE Modem	cVEND EXT.LTE-A Modem Extension Board
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cVEND SHCR II – Secure Hybrid Card Reader (Optional)

Housing	Zinc, matte
Front	nickel-plated
Internal	Plastic
Dimensions (W x H x D)	
Internal	81 mm x 70 mm x 135 mm
Visible	76 mm x 64 mm x 10 mm
Temperature Range	
Storage	-30 °C to +70 °C
Operation	-20 °C to +65 °C
Humidity	10% to 100%, non-condensing
Protection class	IP32
Vandalism Protection	IK10
Contact Card Interface	
	ISO 7816, EMVCo Level 1
Magnetic Card Interface	
	ISO 7811, Three Tracks
Card Insertion Cycles	up to 500.000
Battery	3 V lithium battery, 540 mAh, service life of up to 10 years at 25° C

