



CCV Edge IM15

May 2024



## Core functionalities

- C'less Only
- PIN on Glass
- Connectivity with LAN, USB, MDB, optional 4G Modem
- Modern state of the art design
- Portrait, Landscape & Flush Front mounting options
- Vandalism proof outdoor Terminal
- Hygienic & easy to keep clean & shiny
- EVA\* EPS CDM standard compliant (73x61mm cut out)
- Most compact in Size
- Minimized volume within machine

\*) European Vending & Coffee Service Association

All images and specifications are still in concept phase and could be subject to changes



# Specifications

## Terminal dimension

Dimension: 108.4 x 75 x 43mm (W x H x D)

Outside the machine: 108.4 x 75 x 18.5mm (W x H x D)

Within the machine: 72 x 60 x 24.5mm (W x H x D), without cables and mounting accessories

## Front plane cutout

73 x 61mm, EVA EPS CDM compliant

## Card readers

NFC Contactless, Chip & PIN and Magnetic Stripe via external hybrid reader CCV IM500

All images and specifications are still in concept phase and could be subject to changes



# Specifications

## Display

3.5 inches TFT colour touchscreen (16.1M colours)  
73.44 x 48.96 mm active area, 480 x 320 Pixels  
Supports PIN on Glass  
Great readability even under direct sunlight conditions

## OS

Prolin operating system

## Environmental

Operating temperature: -20°C ... +70°C (-22°F ... +158°F)  
Storage temperature: -30°C ~ 70°C (-22°F ~ 158°F)  
5% - 95% relative air humidity non-condensing  
IP65 (for IM15 only) | IK09

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# Specifications

## Communication/ interfaces

Wi-Fi 5 GHz | Bluetooth 5.0 | 4G RF Module (optional)

## SAM / SIM

2 x SAM, 1 x SIM (in optional 4G Module)

## Certifications & compliance

**Payment:** EMV Contactless L1 | Mastercard payPass L2 | Visa payWave L2 | American Express L2 | Discover D-PAS L2 | Interac\_Flash L2 | J/Speedy L2 | Mastercard TQM | qPBOC L1 | qUICS L2

**Security:** PCI PTS 6.x, SRED | CSEC | UKCC

**Regulatory:** FCC | IC | UL | RoHS | CE | UKCA

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# 4G modem



Optional 4G modem  
module (Including  
WiFi & Bluetooth)

Requires an external  
antenna



# Specifications

## Reads & Audio

Reads 1D & 2D codes | 1 Speaker

## Memory

512 MB Flash + 512 MB DDR RAM

## Keys / Buttons

1 x Reset key

## Ports

1 x USB Host | 1 x USB Device | 1 x LAN | 1 x RS232 | 1 x MDB

All images and specifications are still in concept phase and could be subject to changes

# The variants of the CCV Edge IM15

A

## Edge IM15 "Standard"



### CCV Product name

CCV Edge IM15

### Who is the solution for?

- Primarily for contactless only applications
- suitable for the EVA EPS CDM cut-out
- For all partners and integrators in CCV direct business
- For all NSPs, depending on SW certifications still to be carried out
- Basically, for all verticals. However, the first vertical to be operated is EVC
- Replacement option for OPM-C60 + COR

### Timeline:

- Completion of hardware development and certification: [01-2023](#)
- Available for integration projects: [beginning Q2-2023](#)
- Available for productive partner pilot: [Q2-2023](#)

B

## IM500



### CCV Product name

IM500\*

\*) in combination with IM15F or IM15

### Who is the solution for?

- Applications requiring all form factors (contactless, chip and magnetic stripe)
- Basically, for all verticals
- For all partners and integrators in CCV direct business

### Timeline:

- Completion of hardware development and certification: [tbd](#)
- Available for integration projects: [tbd](#)
- Start SW acceptance test: [tbd](#)
- Available for productive partner pilot: [tbd](#)

C

## Edge IM15 "flush mount"



### CCV Product name

CCV Edge IM15F

### Who is the solution for?

- Applications requiring all form factors (contactless, chip and magnetic stripe)
- Replacement option for OPP-C60 compact and OPP-C60 Standard
- Basically, for all verticals
- For all partners and integrators in CCV direct business

### Timeline:

- Completion of hardware development and certification: [Q2-2023](#)
- Available for integration projects: [Q3-2023](#)
- Start SW acceptance test: [tbd](#)
- Available for productive partner pilot: [tbd](#)



IN  
DEVELOPMENT



## Flush mounted variant

- The front panel differs from the IM15 Standard; the other hardware features and software are identical
- Will be designed, so that the front of the IM15 has a flat surface with the front plate of the machine (3 mm plate)
- Will fit the OPP-C60 compact cut-out, (L x W) 120 x 82mm





IN  
DEVELOPMENT



## Flush mounted variant

- The front panel differs from the IM15 Standard; the other hardware features and software are identical
- Will be designed, so that the front of the IM15 has a flat surface with the front plate of the machine (3 mm plate)
- Will fit the OPP-C60 compact cut-out, (L x W) 120 x 82mm

# The variants of the CCV Edge IM15

	<div> <div>A</div> <div>CCV IM15 "Standard"</div> <div>  </div> </div> <div> <div>B+C</div> <div>CCV IM15 / "flush mounted" / IM500</div> <div>    </div> </div>	
Range of functions		
Contactless payments	YES	YES
Chip payments	NO	YES
Magnetic stripe payments	NO	YES
PIN option	YES	YES
Plan to front	NO	YES (CCV Edge IM15F)
Full touch	YES	YES
Back glass mounting	To be verified (with limitations, no touch, no PIN)	NO
Replacement for ...		
OPP-C60 compact	NO	YES
OPP-C60 Standard (via adapter)	NO	YES
OPM-C60 + COR	YES (with limitation)	YES
CCV InSync	YES	YES (with limitation)

## CCV Edge IM15 at a glance

# Mechanical installation variants

A

### CCV IM15 "Standard"



#### Installation

**CCV Edge IM15:** front mounting; terminal orientation: landscape format; based on EVA EPS CDM / SCR-C like cut-out. In this case W x H, mm: 73 x 61.

**CCV Edge IM15:** front mounting; terminal orientation: portrait format; based on a cut-out prepared by the integrator/business partner, based on the EVA EPS CDM dimensions. In this case W x H, mm: 61 x 73.

**CCV Edge IM15:** front mounting; terminal orientation: portrait format; based on the EVA EPS SDM cut-out. The dimensions correspond to those of a standard door module (SDM) as defined by the European Vending Association (EVA). Important: This cut-out is slightly larger than the EVA EPS CDM cut-out. CCV does not provide a spacer frame suitable for the CCV Edge IM15 for installation variant.

B

### CCV IM15 & IM500



#### Installation

**CCV IM500\*:** Extension with CCV IM500 (hybrid Reader) for CHIP and Magnetic stripe, based on EVA EPS CDM / SCR-C like cut-out (L x W, mm: 73 x 61)

\*) The hybrid reader (IM500) will only be available later (separate phase).

C

### CCV IM15 "flush mounted"



#### Installation

**CCV Edge IM15 "flush mounting" version\*:** Terminal installation via the rear of the vending machine door; terminal orientation: portrait format; based on the Kiosk cut-out with the dimensions W x H (mm): 82.40 +0.10/-0.00 x 120.40 +0.10/-0.00.

\*) The terminal will only be available later (separate phase).



# Operating system

In contrast to the existing IM30 terminal (based on PayDroid powered by Android), the IM15 will be equipped with the Prolin operating system. The reasons for this decision are as follows:

- Advantage of lower procurement price for the IM15 for the partners, which improves the chances of a market launch in price-sensitive areas (for example EV Charging / AC Chargers)
- Faster implementation and thus faster time-to-market
- Additional applications and required value added services can be developed and made available via OAM instead of via Android

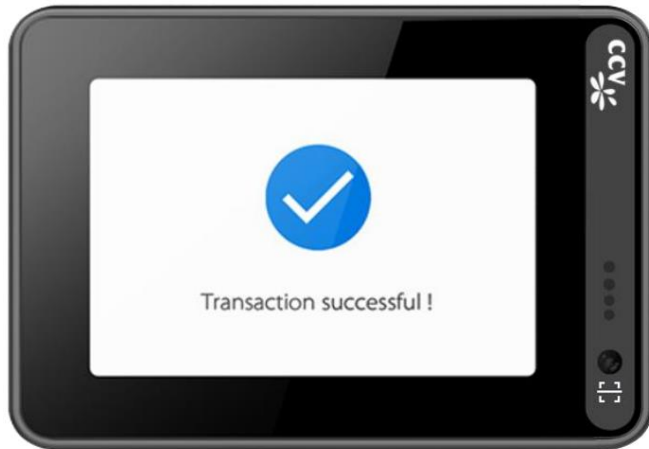
Terminal Integration

## IM15 Terminal kit



- For integrators (in collaboration with CCV PE)
- The integration kit is equipped with test keys and can only be used against the CCV test hosts using special test cards
- Comprehensive accessories (power supply cable) including test card
- The integration kit is provided by CCV at a charge

# Labelling of the terminals using the example of the CCV Edge IM15



The following sticker(s) must be affixed to the side of the terminal so that they are clearly visible (on the outer frame) when the terminal is shipped:

- “Integration Kit” (kit identification)
- Magenta-coloured sticker as identification for the included test keys

**Thank you!**

**Questions?**



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