Android App Magazine

Get inspired

Stadium
Products

Categories

Food
Beverages
Merchandise

Popular

Coca-cola
0.5 liter

Fanta
0.5 liter

Your Order

€5.00

mastercard   maestro   VISA   AMERICAN EXPRESS

Cancel   Pay

Home   Account   Payment   Orders   History
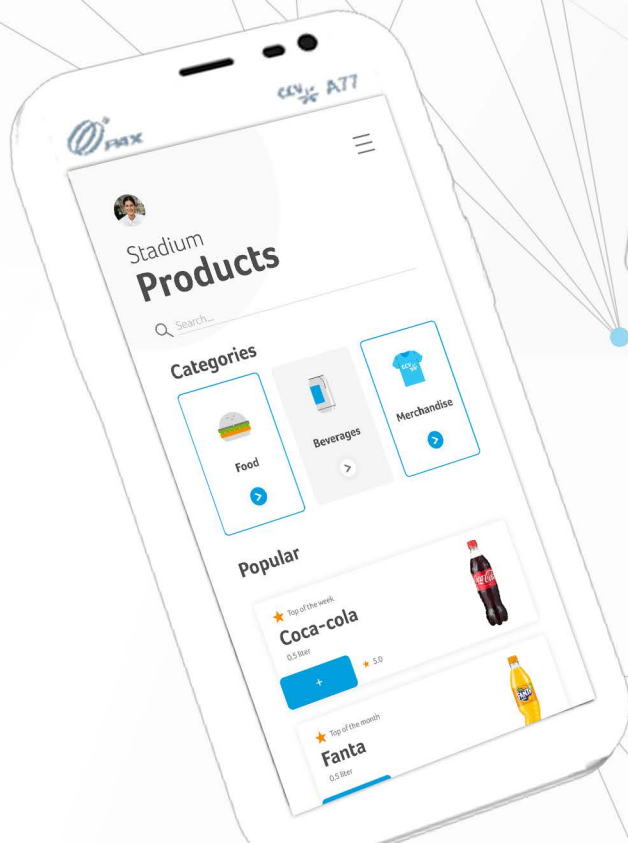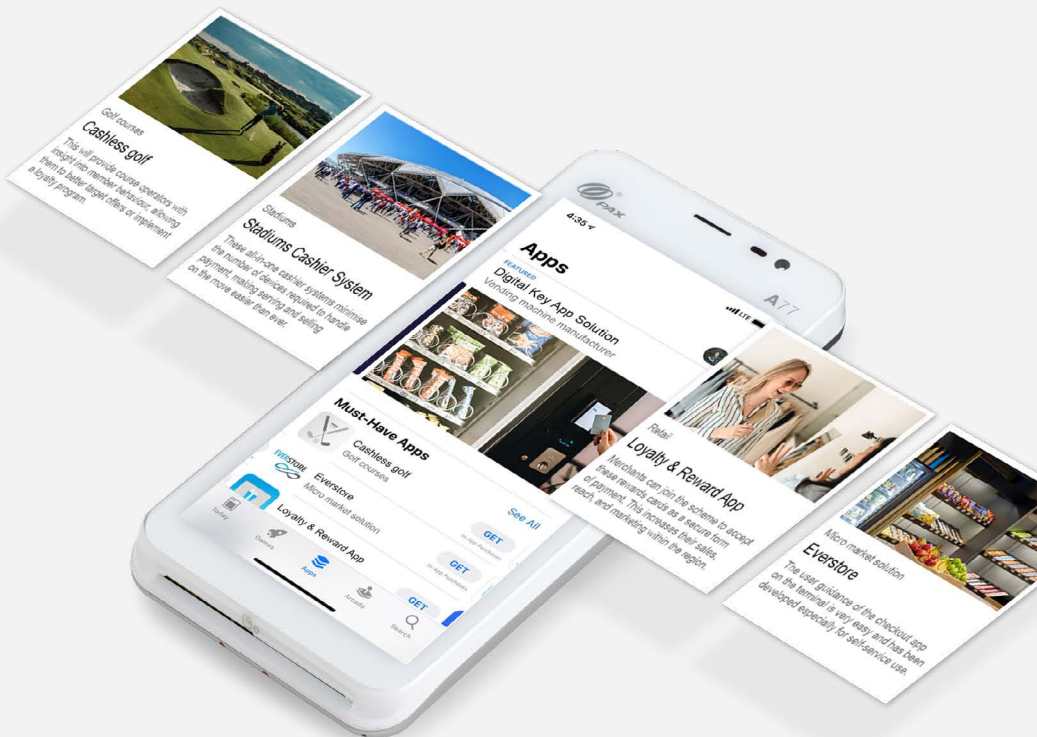
let's make payment happen

CCV

Contents

Game changers

Smart Android payment terminals

Traditionally, payment terminals have been used for one thing, and one thing only: payments. However, this practice is rapidly changing.

An increasing number of terminals built on the Android operating system (OS) are entering the market, and this opening up a world of possibilities for merchants, app providers and consumers.

Similar to smartphones, Android terminals can run Android applications. This allows payment providers to offer complementary features above and beyond accepting payment. The terminal remains a key touchpoint for consumers and by expanding its functionality, merchants can find new ways to add value to the customer experience — without the expense of adding new hardware.

From a payment point of view, these terminals can provide **cash register apps**, **pay-at-table apps**, or **QR code payment schemes**. But the potential runs far deeper. Merchants can use the same hardware to power apps for cash register functionality, staff management, stock management, customer loyalty schemes, tax-free selling, scheduling and planning, vending, access, and so much more.

"

Android terminals can run Android applications, which allows payment providers to offer complementary features above and beyond accepting payment.

A flexible future awaits

Merchants going down the smart Android terminal route usually start with a single, payment-focused app. But as the app stores expand and awareness grows, we expect they'll venture into other areas soon also. Thanks to the flexibility of Android, merchants are able to download apps to specific terminals, or centrally "push" them to multiple terminals at once via the *CCVStore* with its extended app management functionalities.

Meanwhile, for B2B app developers, Android terminals represent a significant opportunity. The ease of building an Android app versus a custom-built application for a proprietary OS enables quick and cheap testing of new solutions, without too much risk. This will encourage even more innovation in the industry, as demonstrated by the 6 apps we highlight in this magazine.
Android terminals open the door for app and software providers for a very wide range of new use cases which improve the customer journey and/or make operational work easier to a great extend while also saving costs. We have put together several exciting use cases to get your creative spirits flowing on how Android terminals can support your business.
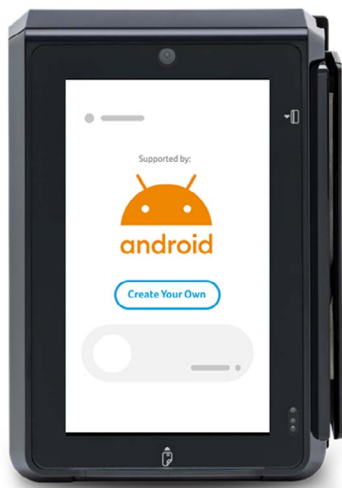
Expert opinion

"It's just the beginning right now, and there's a lot more to look forward to. When I speak to app development partners, I hear a lot of excitement about the new generation of terminals. They can't wait until Android terminals become more widespread. They are already developing a range of innovative new solutions for different sectors and business use cases."

"If you'd like to learn more about our range of smart payment terminals and how these applications can help to extend and enhance your business, please get in touch."

Marisa Ascher
Commercial Product Manager
Mobile apps & app store

6 App solutions
to enhance your payment terminal

With apps, there are thousands of possibilities – on payment devices now also. Get to know some, expand your payment horizon, and get inspired for your next business case.
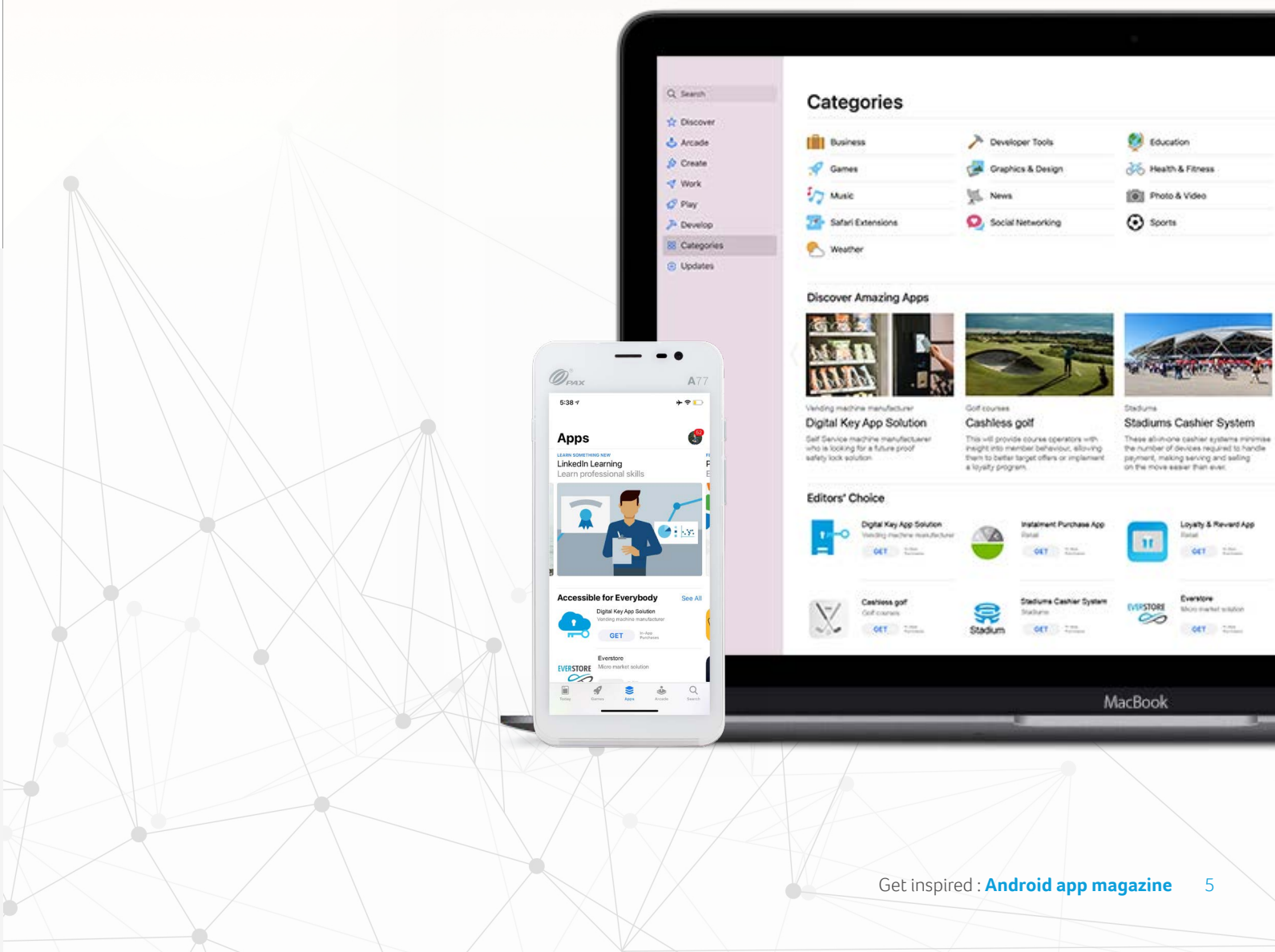
The on-the-move payment apps

Whether it's an ice-cold beer in a 50,000 capacity football arena, or a hot cup of coffee on a train travelling 300km/h, staff handling payment as they walk the aisles often need to handle multiple devices at the same time.

This approach to taking orders and accepting and recording payment on the move is cumbersome and complicated — especially when physical cash is accepted, too.

That's why several app developers have spotted opportunities to streamline the payment process in public spaces. By reducing the number of devices to one and focusing on the ease and security of cashless payment, they can make everything faster and simpler for staff and customers alike.

Together with our app partners, CCV is enabling quick and easy on-the-move payment with our CCV Mobile A920 and CCV Fly A77 mobile-attended smart Android terminals.

One use case is an all-in-one cashier system, **especially designed for stadiums.** The payment app will link everything and everyone in the stadium; from the refreshment stands to the merchandise stalls, and from the person selling beer to the fans in their seats. By combining the functions of a payment terminal and a cash register, everything is handled by one compact

contactless solution.
The functionality can also be extended to incorporate a membership scheme. Football fans could add money to a membership card for their favourite team, and use that card to purchase drinks, scarves, or memorabilia within the stadium, without the need to carry cash.

Meanwhile, a second use case offers something similar for railway bistros. The service staff walking the aisles and serving refreshments to passengers will only need one, small payment terminal as opposed to two larger devices.

App snapshot

For the customers
These apps enable fast and secure cashless payment without the hassle of queuing or leaving your seat — whether you´re in a stadium or on a train.

For the operators
These all-in-one cashier systems minimise the number of devices required to handle payment, making serving and selling on the move easier than ever.


Stadium's cashier system

Type of App	A cashier system – perfectly fitted for stadiums
Recommended for	Food & beverage & stadium merch sale
Industry	Stadiums

Learn more

Let's streamline the payment process in public space like stadiums. With this all-in-one cashier system, the number of devices required to handle payment is minimised, making serving and selling on the move easier than ever.

Previews
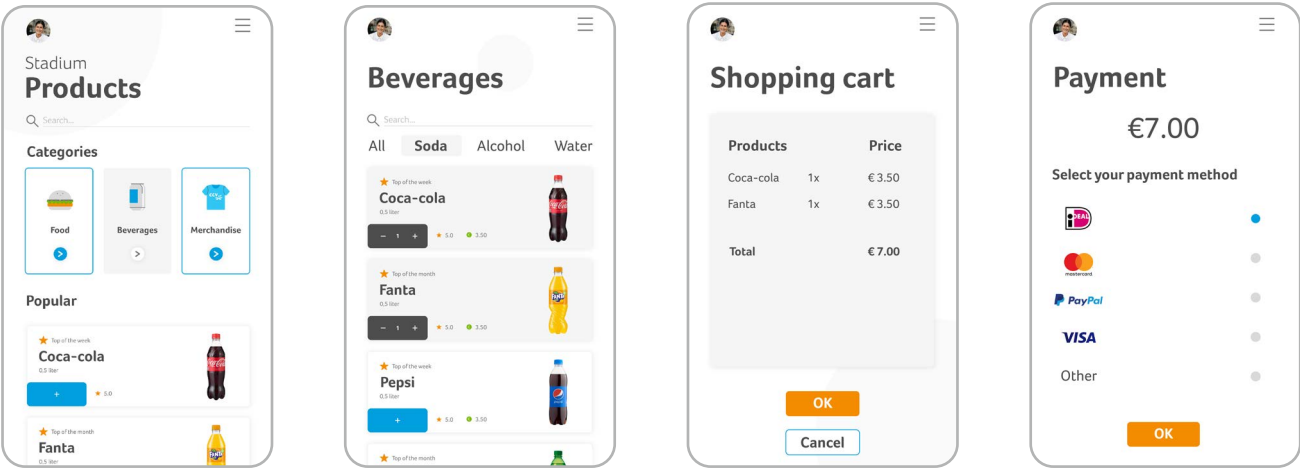
How does it work?

Offer guests the option to buy goods without having to queue or wait for a long time. The buying process is as simple as it is fast. The buying process is as simple as it is fast: the guest selects the product, the cashier scans the barcode or selects it in the product overview on the terminal screen, and the cashless payment process follows.

Features

Cashiering on-the-move. Uses queue busting, minimises waiting times of visitors, increases customer satisfaction

Mobile terminal, well suited for being on the move due to its hardware features (4G/WiFi/printer/long-life battery)

Simple and intuitive user guidance: user interface is similar to smartphone OS

Conveniently take care of stock management via the back office

Updates via the browser-based *CCVStore*

The Mikro-Market payment app

The COVID-19 pandemic may have forced the closure of canteens across office blocks, university campuses, and public institutions, but in doing so, it's added extra fuel to the emerging trend of micro markets.

Combining open rack displays and refrigerated coolers, these innovative, compact, self-service stores provide healthy food and drink options to customers, 24-7, without staff on site.

Unlike traditional vending machines, which hold around 50 product lines per machine, micro markets can stock more than 500 lines, including hot and cold food and drinks. This offers far more variety for the customer, not to mention fresh and healthy alternatives to common vending machine snacks.

However, this automated, self-service approach requires a great deal of inventory management by the operator, while the customer expects a smooth, user-friendly experience from the moment they pick up a product.

To overcome these dual challenges, CCV partnered with EverStore to deliver an all-in-one micro market solution — which includes our CCV IM30 Android terminal. This approach combines a scanner and a speaker (plus audio for remote support) with the EverStore app running on the terminal.

For the consumer, the process is simple. They pick up the items they wish to purchase, take them to the terminal, and then either scan them with the integrated camera of the CCV IM30, or select the items from the intuitive app interface. The customer then completes the transaction at the terminal via PIN or contactless NFC payment.

Meanwhile, for the operator, the app delivers more than a means of accepting payment. An easy-to-use back office allows for efficient inventory management, planning, data analysis and a complete financial overview.

This modern solution for unattended micro markets minimises installation and running costs, streamlines hardware requirements and provides greater insight into business performance.

App snapshot

For the customers
This app makes self-service shopping simple. Customers choose the items they wish to purchase and scan or select them at the terminal before paying cashless.

For the merchants
The app offers a secure way for merchants to accept payment and provides efficient inventory management, detailed planning, data analysis, and a complete financial overview.

Micro Market 24/7

Mikro-Market Solution

Type of App	Cash register solution for micro markets
Recommended for	micro markets
Industry	Retail

[Learn more]

The trend of micro markets is catching on. Micro markets are increasingly popular in companies, universities and public locations. Together with our partner EverStore, CCV has developed a micro market solution for the new smart vending terminal CCV IM30.

Previews

How does it work?

The user guidance of the checkout app on the terminal is very easy and has been especially developed for self-service use. The customers select their products via the display or scan them, place them in the shopping basket and carry out the payment process directly at the terminal. This means that you no longer need two or more hardware components, but with the CCV IM30 and the Mikro-Market app, you get a complete solution in one device.

Features
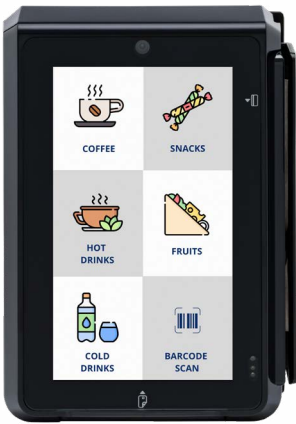
- Point-of-sale and payment combined. Multifunctional payment terminal and checkout app in one solution

- An easy-to-use, modern back office for managing products and inventories

- Quick, easy and stand-alone installation and no set-up costs

- Easy maintenance and care of terminal and software, minimal total cost of ownership

- Cloud-based solution, hosted in Germany

The digital key app

Key to the maintenance and security of vending machines are, ironically, keys.

With high staff turnover, stock replenishment, and vital machine repairs, physical keys in order to open the machine can go missing. And whether they've been lost or stolen, the result is the same: up to 40+ locks need to be changed.

The issue of missing keys can occur frequently and be costly, so many vending machine operators are now looking beyond manual locks in favour of an electronic solution.

The advantages of this approach are three-fold:

1. Greater security: The lock isn't visible from the outside and is therefore not at risk of being picked.

2. Remote control: Only authorised personnel with a smartphone, PIN, or key card can open the lock.

3. Time saving and reduced service costs: Access codes can be regularly updated without the need to send someone out to physically change them.

Together with our digital lock partner Camlock Systems, we're working on equipping the CCV IM30 with an Android application that allows locks to be opened via the terminal.

This will help vending machine operators to streamline maintenance costs and save money on lock repairs in the long run. When combined with our partner's lock, the terminal will serve a dual purpose: payment for customers and security and access for operators.

App snapshot

For vending machine operators
The app works with an electronic lock to enhance security. Only authorised personnel can open the lock using their smartphone, PIN, or key card and an up-to-date access code.

In the future, we see several use cases for this app + lock combination. This will include self-service shops, where goods are securely placed in a locker and accessed by the customer throug completing the payment process and entering a code at the CCV IM30.

Digital key app solution

Type of App	Digital key / Lock security solution
Recommended for	Self-service machine manufacturer who is looking for a future-proof, safe lock solution
Industry	Vending machine manufacturer

Learn more

Keys can go missing, including the keys of vending machines. Wouldn't it be great to have a digital solution that could open the vending machine with a card, an app or a PIN-code? It saves costs on the part of the vending machine manufacturer in the event of a loss. So, let us digitalise your lock! With a digital app solution and the CCV IM30.

Previews
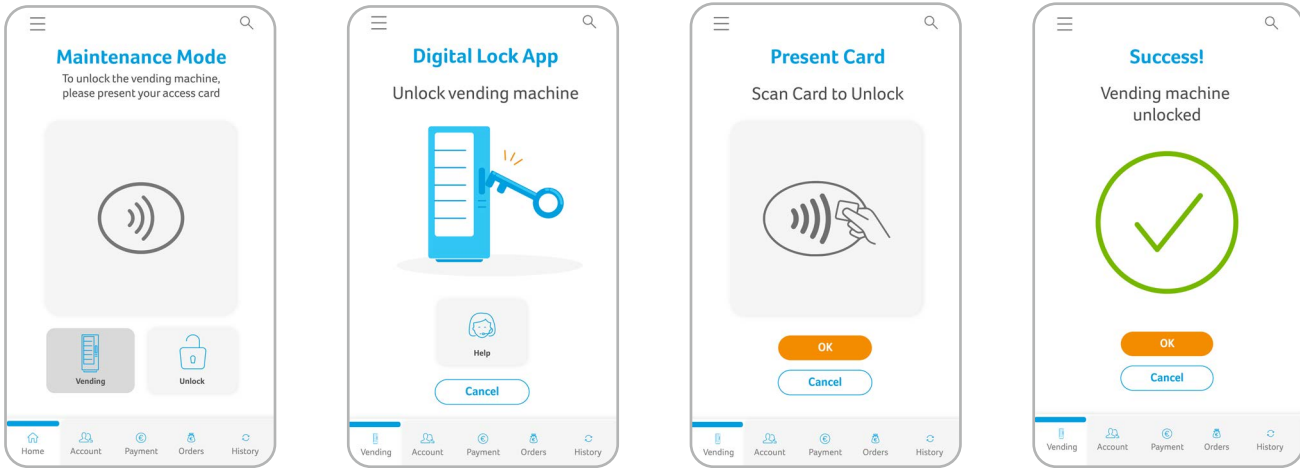
How does it work?

The digital key is available as an app for the smart vending terminal CCV IM30. If the vending machine needs to be filled or requires maintenance, for example, the employee can open the vending machine via the app on the CCV IM30. Digitalisation at the keyhole. Great!

Features
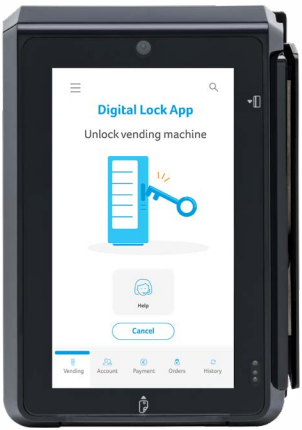
Unlock the machine with a contactless access card, PIN or smartphone

A digital lock is not visible from outside and reduces the risk of being picked

A key in the form of an app: use the CCV IM30 not only as a payment solution, but also as an access control system to open the vending machine

Android smart payment devices are going beyond payment and offer vending operators value to their daily business

The cashless golf ball payment app

In many commercial golf courses the world over, the walk to the driving range involves a detour to the golf ball dispenser. These simple, old-school machines can be up to 20 years old, predominantly coin-operated, and boast only a few buttons.

But for the forward-thinking and innovative golf course operator, these dispenser hold potential to improve the experience on the course and to create a more modern appeal.

By swapping the cash-only interface for a sleek, cashless touchscreen payment terminal, operators can even enhance the overall experience with targeted messaging, sponsored promotions, rewards, and partner offers.

To achieve this outcome, CCV has partnered with Xafax, a software company providing app solutions for schools, libraries, vending & catering, and, of course, golf courses.

Combining Xafax's industry know-how with CCV's IM30 terminal, these modern golf ball machines will become more secure (with no cash stored within), easier to use, and will provide an interactive premium touchpoint in each golfer's journey.

> **"** CCV has partnered with Xafax, a software company providing app solutions for schools, libraries, vending & catering, and, of course, golf courses.

For visiting and for the golf players, golf ball selection and payment will be seamless. With the CCV IM30's large screen, customers can quickly choose the number of balls they want and pay via contactless methods, such as credit or debit cards, digital wallets, or smartphone apps.

However, the wider potential for golf club members is perhaps more exciting. Xafax will use the CCV IM30 as part of a closed-loop system, tying everything from golf ball dispenser to parking barrier access to a membership account.

This will provide course operators with insights into member behaviour, allowing them to better target offers or implement a loyalty programme.

App snapshot

For the customers
The app streamlines ball dispensing on commercial golf courses, replacing cash-only interfaces with cashless touchscreen alternatives. Golfers simply choose the number of balls they want for the driving range and pay via contactless methods, such as credit or debit cards, digital wallets, or smartphone apps.

For course operators
The app's back-end allows operators to devise and push targeted messaging, sponsored promotions, rewards, and partner offers directly to the large screens of the CCV IM30 payment terminal.

Type of App	An easy and nice way to let golfers pay for their golf balls to improve their handycap
Recommended for	Self-service golf ball machines
Industry	Golf courses

Learn more

What the digitalisation of payment processes on a golf course could entail? Cashless golf ball dispensing machines! We make it possible by equipping the dispensors with a brand new smart payment terminal and using the Xafaxx app to manage both the golf ball dispensing process and the payment process. Cashless payment on the golf course – great!

Previews

How does it work?

Via the app on the CCV IM30, the golfer can select the number of golf balls required. Payment can be made by debit card, credit card or membership card. There is no need for another screen on the machine. All is handled on the large touch screen of the CCV IM30.

Features

- Pay with debit, credit or membership card, contact or contactless - the CCV IM30 enables it all

- Higher security - as cash is no longer stored in the golf ball dispenser machine

- Easy integration of the Android terminal into the golf ball dispenser machine

- Remote maintenance and updates of the terminal via the *CCVStore*

- Simple operator guidance in the app – partly thanks to the large touch screen

The loyalty & rewards app

Loyalty and rewards programmes remain popular with brands and businesses to engage and reward their customers. This can include point cards, gift cards, or discount vouchers.

What's more, cities and regions also enjoy using these types of programmes. While the city or region promotes itself as an attractive place to be, it also helps local shops and service providers – such as restaurants or hairdressers. As such, these programmes help create more loyal customers to support local businesses. On the other hand, consumers have a chance to choose from a wide range of participating businesses where they can redeem their gift cards or collect points. It's a win-win for all.

However, it could be difficult to integrate such loyalty and reward programmes into existing software and hardware - until now.

CCV's app partner is at the forefront of a slick rewards scheme, enhanced and enabled by our Android payment terminals.

Thanks to the app approach, these programmes can be easily integrated into the POS now – without any additional integration effort or additional device.

To make such programmes even more attractive, local employers can take part in the loyalty and reward ecosystems – they can gift their staff a prepaid reward card as a bonus.

Gifting is a great way of incentivising employees and thanking them for their hard work. That's why employers in countries across Europe can reward their employees with tax-free gifts or bonuses, usually up to a certain cash value. In Germany, for example, this maximum value is €44.

The reward cards can be topped up again and again – allowing employees to save for larger purchases over time. This centralises the reward scheme – giving employers a complete overview of the amount issued to each employee.

Participating merchants can accept payments from these cards via the app on the terminal, and they can add money too when users wish to top up their card themselves.

Often these programmes are set up as a white-label solution, which means that the cards and the app can be rebranded for a specific network.

App snapshot

For the users
Consumers can use the card to make purchases at participating retailers and gift it to family, friends, and colleagues. Cities and employers can give out cards as a reward.
Some solutions allow that they simply log into a secure portal and manage, monitor, and top-up prepaid cards.

For merchants
Merchants can accept these reward cards as a secure form of payment by opening the app on the payment terminal. This increases their sales, reach, and marketing within the city region.

Loyalty & rewards app solution

Type of App	Loyalty solutions
Recommended for	Merchants can join the scheme to engage and reward customers
Industry	Retail

Learn more

Loyalty and reward programmes – there are numerous schemes available for cities, retailers and various types of consumers. But they all programmes have one thing in common: they benefit each party involved, provided they are easy and quick to manage. A digital programme offered via an app on a payment terminal simplifies the process for merchants and adds value to every customer journey.

Previews
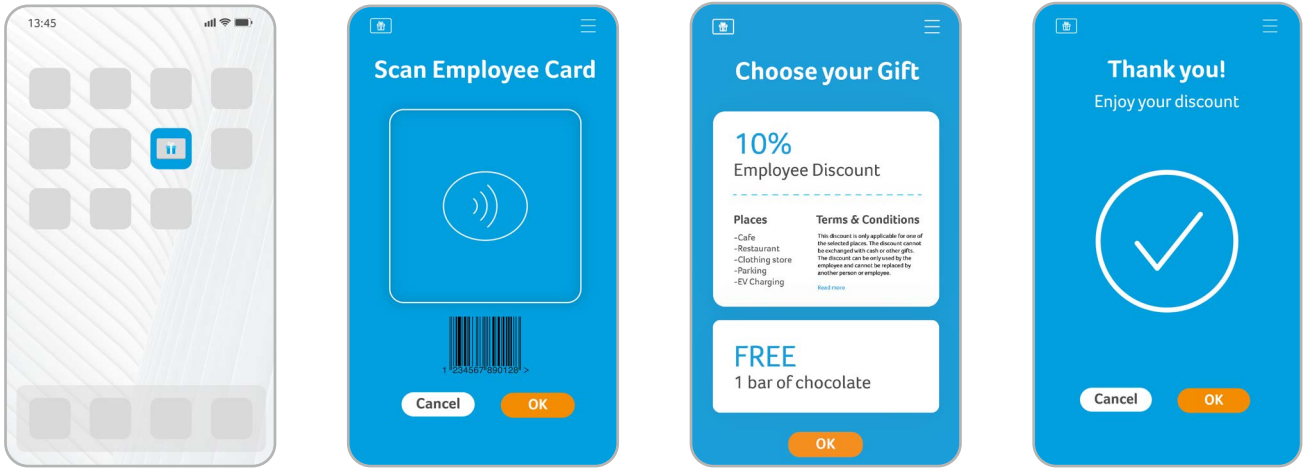
How does it work?

The app on the CCV Mobile A920 processes the customer's membership cards. This allows the customer to complete the entire payment process with their prepaid loyalty and reward programme card. The card can be topped up again and again – both by the customer and/or their employer if it's used as an incentive for employees.

Merchants can join the scheme by accepting these reward cards as a secure form of payment. This increases their sales, reach and marketing within the region.
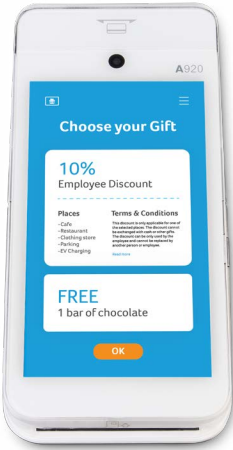
Functionalities & advantages

- Point cards, gift cards, and money-off vouchers? No worries; they can all be included in the app

- Combining the app with a smart Android device makes it an easy-to-use digital solution

The EV charging app

Electric vehicle (EV) ownership in Europe is increases year on year. However, to truly break into the mainstream, barrier-free charging and smooth, seamless payment are essential. Only a widespread, reliable, and user-friendly EV infrastructure will help drivers join up – and CCV is at the forefront of making this possible.

The EV charging app together with CCV's smart IM30 terminal makes accepting payment for charging sessions open, secure and accessible. This solution benefits both charge point operators (CPOs) and EV drivers.

For CPOs, the touchscreen terminal increases the attractiveness of their location, providing a simple and familiar charging and payment experience. It also lowers the total cost of ownership as one terminal can be used to control multiple charging points.

As a white label solution, CPOs can include their own branding on-screen, raising brand awareness and building customer loyalty in the process. This enables them to encourage drivers to park and charge while shopping in-store, for example.

Thanks to the terminal's intuitive user experience, starting a charging session is easy for drivers too. They simply follow the instructions, select which charger is connected to their EV via the touchscreen, and start charging. Once finished, they complete the transaction using any number of common payment methods, including contactless cards and mobile wallets. They can opt to receive an electronic receipt sent to their email inbox, all in alignment with the "Eichrecht" requirements.

The app itself enhances the existing payment solutions and is linked to the charging backend. From there, the CPO can set prices, make charging points available to a larger roaming network, and monitor overall performance.

App snapshot

For the users
The app simplifies payment for EV charging sessions. Drivers are offered familiar cashless payment options, including girocard, credit cards, mobile wallets, and NFC. Once the charging session is complete and payment has been processed customers receive an e-receipt directly in their email inbox.

For merchants
Retailers, local municipalities and large car park owners can use the app and terminal to offer EV charging services at scale. This helps them attract and retain customers while generating new business opportunities.

EV charging app

Type of App	Charge & pay app solution
Recommended for	EV charging operators looking for an all-in-one payment and charging solution
Industry	EV charging stations

Learn more

Accessible, uncomplicated cashless payment for EV charging has recently become mandatory. A payment terminal is therefore required at charging stations. In the ideal scenario, this solution simplifies the process and reduces the total cost of ownership for operators. With this app solution and the unattended smart CCV IM30, we are starting to make this possible.

Previews
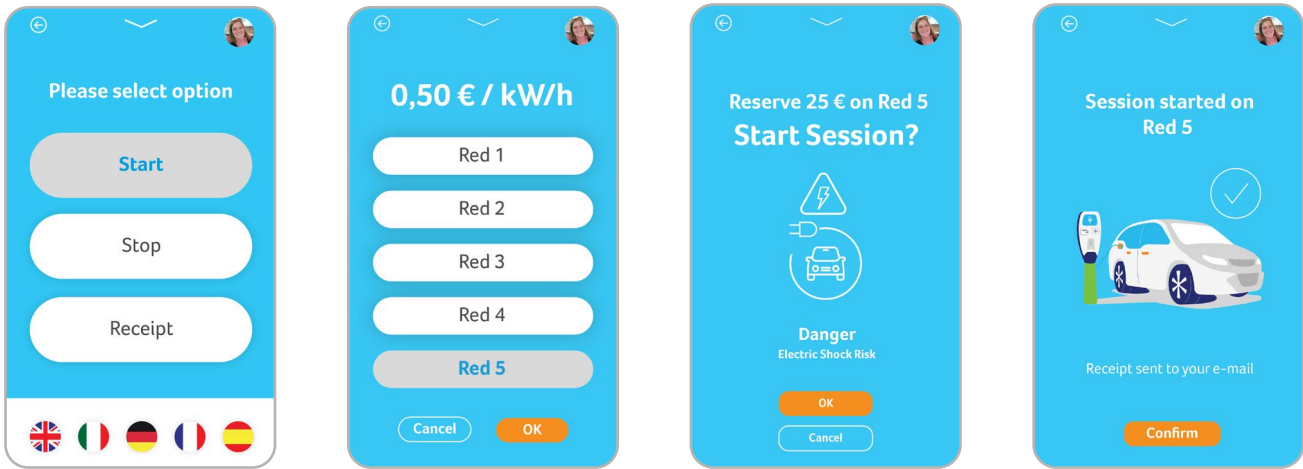
How does it work?

The CCV IM30 - installed in the charging stations - takes care of the payment process and the rest of the operator guidance as well. The EV driver selects the preferred charging point on the IM30, starts the charging process and goes on his way. Payment is done easily with both debit and credit cards. Nothing stands in the way of barrier-free payment in the EV sector.

Functionalities & advantages
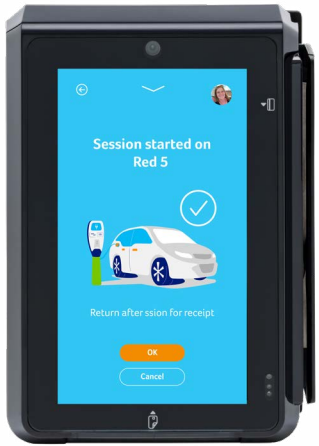
Open or closed loop payment system? Either way, the CCV IM30 and EV charging app can process credit and debit cards

Count on flexibility – this solution allows very fast and cost-saving equipment of charging stations with cashless payment

No further hardware devices needed; the app and the CCV IM30 cover all requirements

The place to shine
Introducing the
CCVSTORE

The *CCV*Store is the beating heart of our Android-powered terminals. Operated by CCV, our B2B app store serves as a platform for app developers to upload and sell apps to partners and customers. Thanks to its easy-to-use interface, users can effortlessly browse, select and install apps on their Android terminals.

Our Android-based terminals are running on the well-known Android Operating System, but on a closed, secure version. We ensure the requirements of industry standards like PCI are met.

Our store allows developers to monitor and maintain app performance. If you make updates to your app, these can be pushed centrally from the *CCV*Store and seamlessly distributed to customer terminals.

5 simple steps to get your app into the *CCV*STORE

1 Get in touch

The first step is the easiest — we need to know that you exist! If you've got an app idea for one of our Android payment terminals, get in touch and let us know. Reach out to our sales team via sales@ccv.eu.

2 Pitch your app

Once we are in contact, we would love to learn more about you, your business, and your app idea. In a joint meeting, we discuss your business plan and take a closer look at your app. We want to make sure CCV is the right fit for you to help bringing your app to market.

3 Start testing

Following a successful pitch (from both sides), the next step is to upload and test your application on our Android terminals. We can supply you with a test device to make this easier, and our friendly project management team will be on hand if you need any help or advice.

4 Go-to-market

Bringing a new app to market is never easy. That's why our sales colleagues are happy to support you throughout, developing and working towards a go-to-market strategy. We'll help you identify a target market early on and make sure your app addresses its needs.
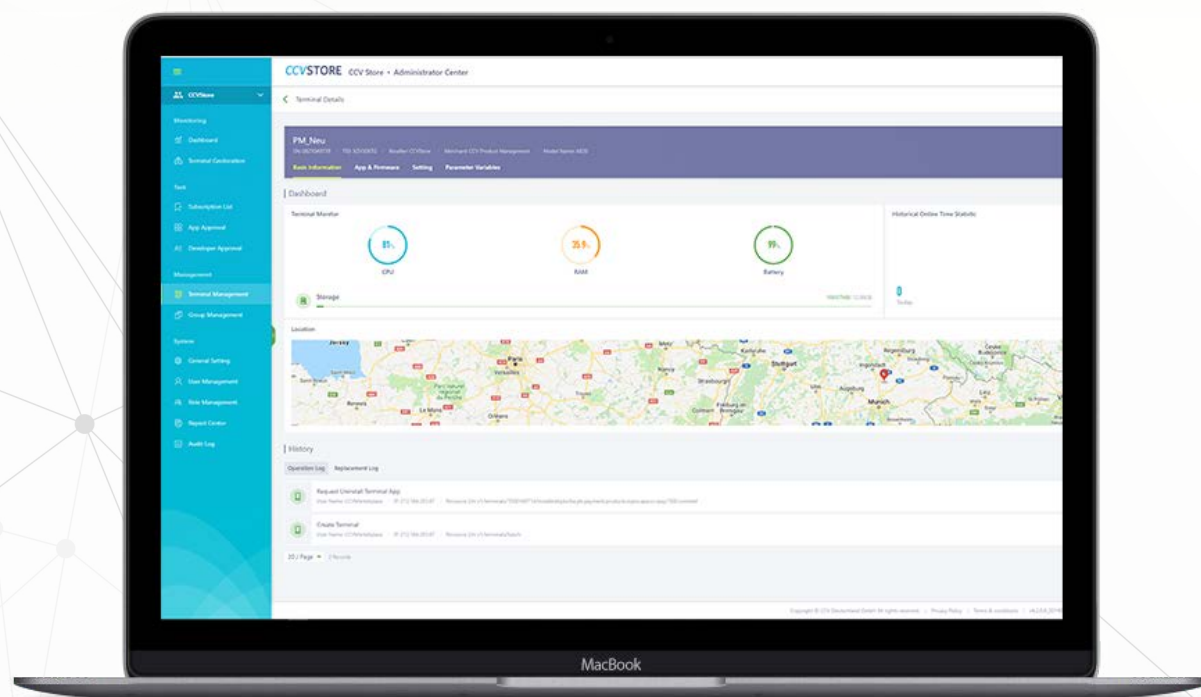
5 Final checks

The last step before your app is made available in the *CCV*Store is a careful review by our experts. We'll put your app through its paces to ensure it's ready for release. Our sales colleagues will discuss the test criteria beforehand.

Calling all Android app developers!

The perfect fit
Your app + our Android terminals

CCV Mobile A920

Our app-ready CCV Mobile A920 is as easy to use as your smartphone. Compact and lightweight, it makes contactless payment on-the-move simple. Ideal for pay-at-table cafes, bars, and restaurants, shop-floor customer service associates, local transport, and the events sector. You can even equip the handset with an optional 4G SIM card to take payment on the go, without the need for a Wi-Fi connection.

Future-proof hardware features
Large touch screen, fast printer, powerful battery as well as two cameras and a QR code and barcode scanner -
the CCV Mobile A920 has all you need for mobile use.

Android Operating System
Enables countless business cases through Android apps.

Safety first
Certified according to current security standards. Apps pass internal security check before publication in *CCV*Store.

CCV IM30

More than a payment terminal, the CCV IM30 can be customised for a variety of business cases. Thanks to the Android OS and a diverse range of applications, you can build a unique shopping experience around this touchscreen, contactless-ready device. The CCV IM30 also provides business owners with the ability to remotely monitor transactions and income, 24/7.

Intelligent
Offers numerous possibilities to communicate and advertise to your customers and collect business data.

Intuitive
Helps to secure operability and establish trust with consumers.

Secure
Features high-end security which complies with industry standards.

CCV IM30

CCV IM30 can be customised for a variety of business cases. Android OS, in combination with a diverse range of applications allows you to build a unique shopping experience around this touchscreen, contactless-ready device.

CCV Fly A77

CCV Fly A77

The first PIN pad built on the Android OS, the CCV Fly A77, is a true POS all-rounder.

The first PIN pad built on the Android OS, the CCV Fly A77 is a true POS all-rounder. Perfect for retailers, cafes, bars, restaurants, and delivery services, this compact and easy-to-use handset makes taking payment fast and simple.

Future-proof hardware features
A large touchscreen, long-life battery, two cameras and a QR code and barcode reader make the CCV Fly A77 the perfect payment terminal in mobile use.

Safety first
Certified according to the latest industry security standards. In addition, the apps undergo internal security checks before publication in the CCVStore.

Android Operating System
Enables countless business transactions through Android apps.

Get inspired

Grow your business with an Android terminal

These 6 apps represent only a small slice of the possible benefits and use cases moving forward.

In truth, the potential is limitless. By extending your smart payment terminals with customer reviews, video animations, help desk resources, explainers, and more, you're enhancing the customer experience several times over.

You can inform, engage and empower, all without adding any additional hardware. Take your inspiration from those humble golf ball machines — your payment terminals are more than a simple must-have; they are a platform from which to grow and improve your business.

Want to know more?

Get in contact with us.
Fill in the form **here**.

www.ccv.eu