

SMART PAYMENTS FOR VENDING

CATALOGUE













WE HAVE THE EXPERTISE TO GUIDE YOUR CHOICES AND ORIENT YOU TOWARDS NEW GOALS, OFFERING YOU SMART AND PRACTICAL SOLUTIONS, INSPIRED BY YOUR DAILY CHALLENGES.

We never tire of listening to our customers: knowing their habits, desires and uncertainties allows us to develop increasingly efficient solutions that stay close to the needs of today's and tomorrow's Vending.

For over 40 years, every day we have been experimenting and working hard to support operators with a complete and ever-evolving range of solutions, with particular attention to the digital area and mobile-payment.

Every moment, from development to customer service, is featured by a Lean approach. All high value-added activities such as design, production, testing and pre- and post-sales assistance are managed internally, while almost 80% of the value of the components is purchased from Italian suppliers.

The close collaboration between the R&D department and the Customer Service allows a direct exchange of skills and experiences, fueling a continuous cycle of product and service innovation.

High standards of quality, speed, flexibility and competitive prices make our company a virtuous example of Made in Italy, recognized by customers all over the world.

A REFERENCE POINT

We provide tailor-made advice to choose the most suitable solutions and configurations for the business and objectives of each individual customer.

We offer a prompt and personalized support and technical assistance, to establish lasting relationships with our customers and represent a point of reference for them for any eventuality.

NON-STOP INNOVATION

We always welcome new ideas and suggestions on how to improve our offer. We are continually looking for new opportunities to offer our customers the opportunity to innovate and differentiate themselves in an increasingly competitive industry.

QUALITY AND CONFORMITY CERTIFICATIONS







Declaration of Conformity to RoHS CSQ Certification IQNET Certification

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DIGITAL SOLUTIONS



Protocols



Audit



Configuring tools



Diagnostic tools



Updating tools

OPTO AT THE SPEED OF LIGHT





MDB Slave



Sales and cash data available on OPTO Portal



With the App PayTools via BT6002 or USB cable, via P6000



System status via LED messages on the reader



Via SIB or with the App PayTools

CASHLESS MAIN FUNCTIONALITIES

- 100 prices/discounts, 4 special discount levels, user groups, free vends, free credits, key code conversion
 - Autoprogramming of PIT key

+ INFO www.optopayment.com or scan the QRCode here.





OPTO is a contactless, secure and universal digital payment solution.

The connection with the vending machine is established automatically without NFC or QR codes, but using a **patented technology** based on the light of the phones' screen, ensuring conformity with the highest security standards.

The solution is made up of three elements:

- The first is the OPTO Reader, a small device equipped with MDB protocol, which integrates an optical sensor and a Bluetooth module enabling connection with the user's smartphone. The OPTO reader does not require any modem or SIM card, which reduces costs and simplifies installation and operation. The OPTO-PIT reader also integrates a traditional "key" system, whose functioning is fully separated from the digital solution.
- The OPTO App available for free for Android, iOS and Huawei OS smartphones enables payment with any vending machine equipped with an OPTO reader, independently from the Vending operator or national borders. Top-ups can be done with credit cards, cash and other advanced payment tools. On suitably enabled vending machines, OPTO can also replicate the selection keypad of the machine on the user's phone screen. With just one click, the consumer can select the product and pay directly from their phone. The Vending experience thus becomes even more immediate, simple and effective.
- The OPTO Portal (server or backend), containing all data and critical info, is housed in secure and certified data centers. The server controls cash flows with a certified external bank, an E-money issuer authorized to operate throughout the European Union. The Vending operator can connect to the OPTO Portal to have a complete view and control over the situation of his vending machines and order transfer of funds from his E-Money Account to his ordinary bank account.

CAIMAN OPTO

The combination of the OPTO reader with the CAIMAN unit offers a wide range of advantages in terms of versatility and efficiency of payment options.

While the OPTO reader makes it possible to make payments with a single device (a smartphone or a traditional "key"), the CAIMAN unit acts as a "master" unit that can be connected in MDB to simple "cash" peripherals like changegivers or bill validators.

With CAIMAN OPTO you can benefit from all the advantages and potentials of the new platform OPTO, while also all the functions of the CAIMAN EXE-series are preserved. A flexible choice to better face future payment trends.



VENDOTEK CONTACTLESS PAYMENT TERMINAL T2134 (EMVCO and Mifare®)

Includes 4G modem and SIM card. LAN connection available.



MDB Slave



Standard EVA-DTS format, readable through DEX/DDCMP ports or remotely (via 4G)







Remotely via Operator Portal

CASHLESS MAIN FUNCTIONALITIES

- Accepts main contactless bank cards of the VISA and MasterCard networks
- Accepts and completes payments in EUR, GBP, CHF, DKR, SKR, PLN, CZK
- Weekly/monthly settlement to operator bank account
- Possibility to display custom images (logo's) from remote upload

VENDOTE CARD READER















The VENDOTEK Card Reader is a POS developed specifically for Vending, which is immediately operational.

Its robust and compact design allows its use in difficult environments, even outdoor.

VENDOTEK Card Reader operates in contactless mode by accepting most credit and debit cards like Visa, MasterCard, Maestro PayPass, as well as several mobile solutions like ApplePay, GooglePay or SamsungPay.

The terminal is supplied with an integrated SIM card and with a standard banking contract, which allow to start using it right away. In case of poor connectivity, Vendotek can also be connected to the **Ethernet network**.

Easy to install (one cable and four screws), the reader supports levels MDB1 ("credit first") and MDB3 ("first selection"), operates indiscriminately as cashless #1 or #2 and allows the retrieval of audit data via cable and in telematic form.

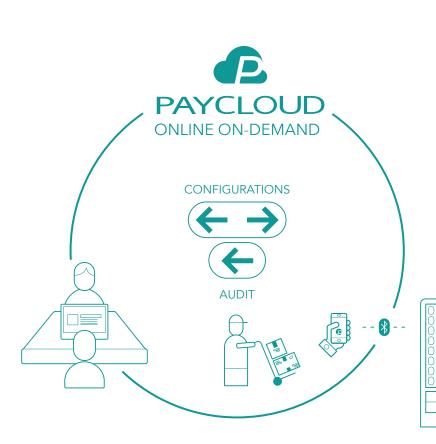
In combination with a CAIMAN central unit, Vendotek can also be used to load credit directly onto a traditional key, which significantly reduces the impact of bank charges.

Its integrated display enables an immediate user interaction, as well as customized contents through images that can be programmed and uploaded remotely.

The Operator Portal allows monitoring all transactions that take place through the terminal and can be integrated in the company's ERP systems.

PAYCLOUD

MANAGE AND CONTROL YOUR PAYMENT SYSTEMS REMOTELY





With PayCloud, operators can control and update their vending machines in a similar way to telemetry solutions, without however having to incur the typical costs for this type of service. As a matter of fact, Audit and configuration files from payment systems are always available with PayCloud for later analysis or, in the case of configuration files, for later editing and reloading on the payment system. Whenever the refiller visits a location, he can read and synchronize the files with the free application PayTools, avoiding an expensive intervention by a technician. Configuration and Audit files are safely stored in the Cloud, which eliminates the chance of errors and always gives a view of the situation on the field without having to connect all VMCs remotely.

Online on-demand: only connected when necessary!

PayCloud is a simple, user-friendly solution that allows to rapidly implement a safe and correct control system for your vending machines, with a very low investment and low management costs.



CASH & CASHLESS



Protocols



Audit



Configuration tools



Diagnostic tools



Updating tools

EAGLE PLUS

PIT / Mifare®



With EAGLE Plus, Paytec offers one of the most complete and performing Cash & Cashless solutions available in the market, combining the advantages of the EAGLE2 master unit with a CAIMAN key reader.

The changegiver EAGLE2 relies on a consolidated coin recognition and selection technology and on increased ability to optimize change.

The 6-tube changegiver directly manages the Caiman reader, which completes it with all the functions of an advanced cashless system, allowing quick and secure reading/writing of Paytec (PIT or Mifare®) keys.

It is also possible to connect other MDB cashless peripherals (e.g. credit card reader or payment Apps), in order to get an even more complete payment system.

The standard display on the changegiver makes setting and diagnostic tasks easier, while tube configuration is versatile thanks to the removable coin box and the easy-to-change coin tubes. An optional lock with key increases the security of the coin box. The system is also equipped with sensors detecting when the coin box is being removed (even with the changegiver OFF).

Paytec's EAGLE Plus represents a complete and integrated solution, which allows operators to offer their clients a variety of payment options in a simple and efficient way.





Executive, MDB Master, MDB Slave



Standard EVA-DTS and extended formats. It can be collected via IrDA (embedded on reader), with BT6002, with Data Key/Card, PayTools/PayCloud, PC



With the App PayTools via BT6002 or USB-cable, through P6000, software Configurator on PC, Data Key/Card



With PayTools App via BT6002 or USB cable, via P6000 (sensors only), software Configurator on PC



Through SIB

CHANGEGIVER MAIN FUNCTIONALITIES

• Ready to control a Paytec cashless unit and double cashless MDB

- 100 prices/discounts, list 10/100 prices for cashless MDB 1 and 2
 - "Selection first" mode available for credit card
 - Removable coin box,

sensor detecting when the coin box is removed, coin box security lock (optional)

- Backlit display for diagnostics and configuration
 - Recycling mode
 - 30 coin channels

CASHLESS MAIN FUNCTIONALITIES

- Reads PIT keys or Mifare® keys/cards
 Price Holding mode, management of other MDB peripherals
 - Sales notifications cash/cashless
 - Auto-programming of PIT keys
- 4 special discount levels (10 prices), user groups, time bands, free vends, free credits, bonus at recharging, calendar bonus, bonus menu, fidelity function, black list, key pre-payment, key code conversion.



CAIMAN (EXE or MDB-MDB) + KEY READER (PIT or Mifare®) + 6-TUBE EAGLE SMART CHANGEGIVER + CABLE MDB



Executive, MDB Master, MDB Slave



Standard EVA-DTS and extended formats. It can be collected via IrDA (embedded on reader), with Data Key/ Card, PayTools, BT6002, PC



With the App PayTools via BT6002 or USB-cable, through P6000, software Configurator on PC, Data Key/Card



(for the changegiver) With the App PayTools via BT6002 or USB cable, via P6000 (sensors only), software Configurator on PC



Through SIB

CHANGEGIVER MAIN FUNCTIONALITIES

- Removable coin box, sensor detecting when coin box is removed, coin box security lock (optional)
- Management notifications on MDB protocol
- 30 coins channels

CASHLESS MAIN FUNCTIONALITIES

- Price Holding mode, management of other MDB peripherals, double cashless MDB
- 100 prices/discounts, list 10/100 prices for cashless MDB 1 and 2
- "Selection first" mode available for credit card
- Paytec key recharge from bank card reader, recharge between cashless MDB
- Sales notifications cash/cashless
- Management of notifications from MDB changegiver
- Autoprogramming of PIT keys
- Recycling mode
- 4 special discount levels (10 prices), user groups, time bands, free vends, free credits, bonus at recharging, calendar bonus, bonus menu, fidelity function, black list, key pre-payment, key code conversion.

EAGLE PREMIUM

PIT / Mifare®









Mifare®



The new Paytec system EAGLE Premium is an integrated solution but easily scalable to smartly meet the increasing needs of the market.

The system is controlled and managed by the proven Caiman unit, which, in addition to directly managing the cashless part through the Caiman reader, also controls the new EAGLE Smart changegiver.

In this way, Audit and configuration data are stored and available in Caiman and not in the changegiver.

The Caiman unit can also control other MDB peripherals (e.g. a bill acceptor, a credit card reader or payment Apps) in order to get an even more complete payment system.

The EAGLE Smart changegiver relies on a consolidated coin recognition and selection technology and on increased ability to optimize change. The removable coin box makes the changegiver extremely versatile in terms of tube configurations.

The Caiman reader makes it possible to read/write Paytec keys (PIT or Mifare®) safely and rapidly.

FOUR PLUS

PIT / Mifare®









The FOUR Plus system allows a significant optimization of costs, investments and working capital, while guaranteeing all the possibilities of Cash & Cashless payment.

The robust and reliable combination of the changegiver FOUR and the Caiman cashless reader offers the operator a complete solution, ideal for installations where a smaller variety of change is required.

The 4-tube changegiver directly manages the Caiman reader, which completes it with all the functions of an advanced cashless system, allowing quick and secure reading/writing of Paytec (PIT or Mifare®) keys. It is also possible to connect other MDB cashless peripherals (e.g. credit card reader or payment Apps), in order to get an even more complete payment system.

The standard display on the changegiver makes diagnostic tasks easier.

The system **FOUR Plus** by Paytec represents an **integrated** solution for those operators who want to offer a simple and reliable range of payments.



4-TUBE FOUR CHANGEGIVER + CAIMAN KEY READER (PIT or Mifare®)



Executive, MDB Master, MDB Slave



Standard EVA-DTS and extended formats. It can be collected via IrDA (embedded on reader), with BT6002, Data Key/Card, PayTools/ PayCloud, PC



With the App PayTools via BT6002 or USB-cable, through P6000, software Configurator on PC, Data Key/Card



With PayTools App via BT6002 or USB cable, via P6000 (sensors only), software Configurator on PC on PC



Through SIB

CHANGEGIVER MAIN FUNCTIONALITIES

- Ready to control a Paytec cashless unit and double cashless MDB
- 100 prices/discounts, list 10/100 prices for cashless MDB 1
 - "Selection first" mode available for credit card
- Integrated display for diagnostics and configuration
 - Recycling mode
 - 30 coin channels

CASHLESS MAIN FUNCTIONALITIES

- Reads PIT keys or Mifare® keys/cards
- Price Holding mode, management of other MDB peripherals
 - Cash/cashless sales notifications
 - Auto-programming of PIT keys, automatic writing of Mifare[®] licenses
 - 4 special discount levels (10 prices), user groups, time bands, free vends, free credits, bonus at recharging, calendar bonus, bonus menu, fidelity function, black list, key pre-payment
 - key code conversion
 - Recycling mode



CAIMAN (EXE or MDB-MDB)

- + KEY READER (PIT or Mifare®)
- + 4-TUBE FOUR MDB-ONLY CHANGEGIVER + CABLE MDB



Executive, MDB Master, MDB Slave



Standard EVA-DTS and extended formats. It can be collected via IrDA (embedded on reader), with Data Key/Card, PayTools, BT6002, PC



With the App PayTools via BT6002 or USB-cable, through P6000, software Configurator on PC, Data Key/Card



(for the changegiver) With the App PayTools via BT6002 or USB cable, via P6000 (sensors only), software Configurator on PC



Through SIB

CHANGEGIVER MAIN FUNCTIONALITIES

- Integrated display for diagnostics and configuration
- 30 coin channels

CASHLESS MAIN FUNCTIONALITIES

- Price Holding mode, management of other MDB peripherals, double cashless MDB
- 100 prices/discounts, list 10/100 prices for cashless MDB 1 and 2
- "Selection first" mode available for credit card
- Direct recharge of Paytec keys from credit card reader, recharge between cashless MDB
- Sales notifications cash/cashless
- Management of notifications from MDB changegiver
- Auto-programming of PIT keys
- Recycling mode
- 4 special discount levels (10 prices), user groups, time bands, free vends, free credits, bonus at recharging, calendar bonus, bonus menu, fidelity function, black list, key pre-payment, key code conversion

FOUR PREMIUM

PIT / Mifare®









The new Paytec system FOUR Premium is an integrated and low-cost solution enabling operators to progressively and efficiently meet the needs of the market.

FOUR Premium simplifies the operator's job with an efficient and versatile approach.

The control and management of the system are entrusted to the tested Caiman master unit which, in addition to directly managing the cashless part through the Caiman reader, controls the changegiver FOUR MDB-only. In this way, audit and configuration information remains stored and available on the Caiman unit and not on the changegiver.

The Caiman unit can also control other MDB peripherals (e.g. a bill acceptor, a credit card reader or payment Apps) in order to get an even more complete payment system. The Caiman reader allows quick and safe reading/writing of Paytec keys (PIT or Mifare®).

The FOUR MDB-only changegiver is an extremely simple solution, reliable but, most of all, convenient for coin management.

GIODY





Two Cash & Cashless payment systems integrated with a standard front plate in a single unit with the size of a standard coin validator.

With this solution there is no need to make an additional hole in the machine in order to wire two payment systems. It is thus possible to use the coin selector/acceptor, use the cashless system with PIT technology, or recharge a key. Apart from being designed to work with both protocols EXE and MDB, GIODY offers the opportunity to connect a bill acceptor in parallel mode.

GIODY is the ideal system for compact vending machines (tabletops or OCS), where both Cash & Cashless payment options should be made available to user.





Executive, MDB Slave



Standard EVA-DTS and extended formats. It can be collected via IrDA (embedded), BT6002, Data Key, PayTools/ PayCloud and PC



With the App PayTools via BT6002 or USB cable, via P6000, software Configurator on PC, Data Key



With PayTools App via BT6002 or USB cable, via P6000 (sensors only), software Configurator on PC



Through SIB

MAIN FUNCTIONALITIES

- 100 prices/discounts, 4 special discount levels (10 prices)
- User groups, time bands, free vends, free credits, bonus at recharging, calendar bonus, bonus menu, fidelity function, black list, key pre-payment, key code conversion
- Auto-programming of PIT keys
 Possibility to connect a bill acceptor in pulse mode
 - Recycling mode
 - 30 coin channels







Protocols



Audit



Configuration tools



Diagnostic tools



Updating tools

APEX 7000







N/A (data are stored in the master unit)



DIP switches



Embedded



PRO-2 Programmer

MAIN FUNCTIONALITIES

- Standard 200-bill stacker (500-bill stacker available on demand)
- Accepts bills up to 72 mm wide
 Acceptance speed:
 - approx. 20 bills per minute

 Dual-stage optical
 - anti-stringing technology
- "Escrow function" to recover bills in the case of failed top-ups or vend
 - Self-calibrating system



APEX 7000 has an innovative dual level anti-fish-picking optical system equipped with 8 sensors that protects the system from any attempt of fraud or tampering.

Its reliability is witnessed by 10 years of use worldwide and granted by a constant upgrading.

The "Escrow" function enables users to get the bill back in the case of a failed vend or when no change is available. The bill acceptor is distributed with a 200-bill cashbox (a model with 500-bill cashbox is also available).

APEX 7000 is equipped with a self-calibrating system and can be easily configured with DIP switches on board. The simple on-board diagnostics with LEDs on the front bezel make diagnostic messages easy to interpret.





Executive, MDB Master, MDB Slave



Standard EVA-DTS and extended formats. It can be collected via PayTools/PayCloud, via BT6002, via the embedded IrDA port with PDA or directly with PC via serial port



With the App PayTools via BT6002 or USB-cable, through P6000, software Configurator on PC, Data Key/Card



With PayTools App via BT6002 or USB cable, via P6000 (sensors only), software Configurator on PC



Through SIB

CHANGEGIVER MAIN FUNCTIONALITIES

- Ready to control a Paytec cashless unit and double cashless MDB
- 100 prices/discounts, list 10/100 prices for cashless MDB 1 and 2
- "Selection first" mode available for credit card
- Sales notifications cash/cashless
- Removable coin box, sensor detecting when the selector or the coin box is removed, coin box security lock (optional)
- Backlit display for diagnostics and configuration
- 30 coin channels

EAGLE2





A full-fledge technology platform to integrate a wide variety of payment systems.

The changegiver **EAGLE2** relies on Paytec's consolidated experience in coin recognition. The product is based on inductive technology to assure **full operability also in difficult or dirty conditions**.

It offers a wide range of coin configurations to guarantee maximum flexibility in change management. Tube management is controlled by algorithms that continuously optimize change in order to extend sales availability. Both the coin box and the coin tubes can be easily replaced.

EAGLE2 is designed to manage an integrated cashless system, by simply connecting a Caiman reader. Other MDB devices can also be connected (e.g. credit card reader, payment app) to increase the offer of payment types.

The **standard display** on the changegiver makes setting and diagnostic tasks easier. An optional lock with key increases the security of the coin box. The system is also equipped with sensors detecting when the coin box is being removed (even with the changegiver OFF).

EAGLE SMART





A flagship device for the management of cash, leaving audit and control functions to other systems installed in the VMC.

The EAGLE Smart changegiver is only equipped with protocol MDB, which simplifies its functioning and makes it the ideal solutions for those locations where the changegiver is not the master unit but a peripheral connected to a master unit or to the VMC.

EAGLE Smart anyway maintains all mechanical features, including a consolidated experience in coin recognition based on inductive technology to assure full operability also in difficult or dirty conditions.

It offers a wide range of coin configurations to guarantee maximum flexibility in change management. Tube management is controlled by algorithms that continuously optimize change in order to extend sales availability.

Both the coin box and the coin tubes can be easily replaced. A special sensor detects whenever the coin box is removed also with the changegiver OFF. An optional lock with key increases the security of the coin box.

EAGLE Smart transmits all diagnostic and functional data to the master, including the status of the tubes, alarms and any other anomalies.





MDB Slave



Standard EVA-DTS with hardware events. It can be collected via IrDA (IrDA module optional), BT6002,PayTools/PayCloud and PC



With the App PayTools via BT6002 or USB cable, via P6000



With the App PayTools via BT6002 or USB cable, via P6000, software Configurator on PC



Through SIB

CHANGEGIVER MAIN FUNCTIONALITIES

- Removable coin box, sensor detecting when the selector or the coin box is removed, coin box security lock (optional)
 Management notifications on MDB protocol
 - 30 coin channels





Executive, MDB Master, MDB Slave





MDB Slave



Standard EVA-DTS and extended formats. It can be collected via IrDA port (IrDA module optional), BT6002, PayTools/PayCloud and PC



With the App PayTools via BT6002 or USB cable, via P6000, software Configurator on PC



With PayTools App via BT6002 or USB cable, via P6000 (sensors only), software Configurator on PC



Through SIB

CHANGEGIVER FOUR MAIN FUNCTIONALITIES

- Ready to control a Paytec cashless unit and double cashless MDB
- 100 prices/discounts, list 10/100 prices for cashless MDB 1
- "Selection first" mode available for credit card
- Sales notifications cash/cashless
- Integrated display for diagnostics and configuration
- 30 coin channels

CHANGEGIVER FOUR MDB-ONLY MAIN FUNCTIONALITIES

- Integrated display for diagnostics and configuration
- 30 coin channels

FOUR and FOUR MDB-ONLY





A complete, reliable and convenient solution, ideal for locations where a smaller variety of change is required.

The reliable and robust product allows a significant optimization in terms of costs, investments, and circulating capital. The double protocol Executive and MDB Master/ Slave of the changegiver **FOUR** allows its operation in all the configurations used on the market.

It is also possible to directly connect a bill acceptor or other MDB peripherals, like cashless systems, a credit card reader or payment Apps. By adding a Caiman key reader (PIT or Mifare®), the changegiver FOUR becomes a full-fledge cashless system. The standard display on the changegiver makes diagnostic tasks easier.

The changegiver FOUR represents the ideal compromise between performance and convenience, always guaranteeing versatility and flexibility over time.

The model **FOUR MDB-only**, on the other hand, is a changegiver developed to meet the needs of operators who require an economical, practical and reliable MDB product. Audit data are normally managed by the master, but if necessary they can be collected locally with various tools. FOUR MDB-only is the ideal solution for MDB configurations and represents the best balance between price and performance available on the market.

CV2406

FOX MDB





Parallel/impulsive 12/24 VDC



DIP switches or software Configurator on PC



Software Configurator on PC

MAIN FUNCTIONALITIES

- 24 coin channels
 - 6 parallel exits



The **coin validators FOX MDB and CV2406** stand out for their reliability and accuracy in coin discrimination.

Anti-retrieval and anti-jamming solutions make the systems extremely safe. Coins and tokens can be programmed via DIP switches, without the need for additional tools. The systems are designed to be installed inside all vending machines.

CV2406 is a validator developed to work in **parallel/impulsive mode**. It can operate with voltages of 12V and 24V in order to be used in different situations, with or without casing. Configuration is done via PC with the Configurator software.

The new FOX MDB model has been specifically developed to work in MDB, and is compatible with any master available on the market. Equipped with advanced recognition technology, it also has a self-learning function that allows you to program other coins or tokens. Self-diagnostics ensure the highest levels of performance even at a high processing speed.

CV3516 and CV3516 MDB



NOW ALSO AVAILABLE WITH MDB PROTOCOL The Paytec CV3516 coin acceptor features an innovative measuring system to ensure maximum levels of performance in terms of coin acceptance and rejection of counterfeits.

Advanced features, including high processing speed, ensure high standards of efficiency and security to deliver coin validation technology that meets the most stringent requirements. **Anti-retrieval and anti-jamming solutions** make the systems extremely safe.

CV3516 also has specific technology to recognize two-tone coins - a necessary feature for Euro coins and others.

Thanks to the **autolearning function**, other coins or tokens, in addition to the standard ones, can be programmed without the need for any extra equipment. A self-diagnostic function ensures excellent results.





MDE



DIP switches



On board

MAIN FUNCTIONALITIES

• 32 coin channels, 2 channels dedicated to tokens

• 16 DIP switches for coin inhibition

COIN VALIDATOR
CV3516



Parallel/impulsive 12/24 VDC MDB



DIP switch



On board

MAIN FUNCTIONALITIES

- 32 coin channels, 2 channel dedicated to tokens
- 6 parallel exits (vers. par./imp.)
- 16 DIP switches for coin inhibition



CASHLESS



Protocols



Audit



Configuration tools



Diagnostic tools



Updating tools

CAIMAN EXE

PIT / Mifare®







A versatile architecture and numerous intelligent management functions to increase the potential of the vending machine and improve customer loyalty.

Caiman EXE has been developed to work with the vending machine in Executive mode. The system can work in Price Holding mode with up to 100 prices, or can delegate price management to the vending machine.

The system includes a reading unit that manages traditional PIT keys or Mifare® keys/cards and can simultaneously manage two other cashless MDBs (credit card reader, payment app) as well as other cash peripherals such as a banknote reader in impulsive mode, an MDB changegiver or a 24V coin validator.

In addition to the classic management of the credit on the keys, the system allows extreme flexibility in setting prices and discounts. Duly configured, **Caiman EXE can recharge keys directly from a credit card reader**, thus reducing bank charges and eliminating completely the use of cash.

The configuration and collection of Audit data can be done using a wide variety of tools and technologies, including the App PayTools. Audit also includes all the information of the MDB changegiver, including the quantity of coins in the individual tubes.





EXE to the VMC; MDB Master to the peripherals (level 1 and level 3)



Standard EVA-DTS and extended formats. It can be collected via IrDA (embedded on reader), BT6002, Data Key/Card



With the App PayTools via BT6002 or USB-cable, through P6000, software Configurator on PC, Data Key/Card



System status via LED messages on the reader or via optional display



Through SIB

CASHLESS MAIN FUNCTIONALITIES

- Price Holding mode, management of other MDB peripherals, double cashless MDB
 - 100 prices/discounts, list 10/100 prices for cashless MDB 1 and 2
 - "Selection first" mode available for credit card
 - Direct recharge of keys from credit card reader, recharge between cashless MDB
 - Sales notifications cash/cashless
 - Management of notifications from MDB changegiver
 - Autoprogramming of PIT keysRecycling mode
- 4 special discount levels (10 prices), user groups, time bands, free vends, free credits, bonus at recharging, calendar bonus, bonus menu, fidelity function, black list, key pre-payment, key code conversion





MDB Slave to the VMC; MDB Master to the peripherals



Standard EVA-DTS and extended formats. It can be collected via IrDA (embedded on reader), BT6002, Data Key/Card, PayTools/PayCloud and PC



With the App PayTools via BT6002 or USB-cable, through P6000, software Configurator on PC, Data Key/Card



System status via LED messages on the reader or via optional display



Through SIB

CASHLESS MAIN FUNCTIONALITIES

- Management of other MDB peripherals, including double cashless MDB
- Autoprogramming of PIT keys
- 100 prices/discounts, list 10/100 prices for cashless MDB1, 4 special discount levels (10 prices), user groups, time bands, free vends, free credits, bonus at recharging, calendar bonus, bonus menu, fidelity function, black list, key pre-payment, key code conversion
- Recycling mode

CAIMAN MDB-MDB

PIT / Mifare®







All the cashless functions, control of peripherals and centralization of data, expanding the payment options of MDB vending machines.

Caiman MDB-MDB has been developed to work with the vending machine in MDB mode. The system not only offers all the cashless functions, but also allows you to connect and manage numerous peripherals in MDB, such as changegivers, banknote readers, a 24V coin validator or other cashless systems. It also allows the recovery of Audit data by behaving like a master unit.

Beyond the classic management of credit on the keys, the functionalities available on the Caiman system include price and discount management, definition of specific time bands, free vends and free credits, development of fidelity systems, and management of a black list for lost keys or to avoid improper usage of the

The installation of a Caiman cashless system improves the potential of the vending machine, by enhancing its marketing and promotional capabilities, which are critical to increase sales and client's loyalty.

CAIMAN LITE EXE AND MDB

PIT / Mifare®





Easy to install and program, the Caiman Lite range is an ideal solution for operators who want to introduce a cashless system on changegiver or on exclusively cashless vending machines.

The Caiman Lite range (EXE and MDB) is known in the market for its compactness and simplicity, both in installation and use. In the EXE version, the system operates in Price Holding mode with 100 prices but can also delegate price management to the vending machine. It is possible to connect a coin validator in impulsive mode.

In the MDB version, on the other hand, Caiman Lite connects directly to the MDB vending machine or to any changegiver as an MDB peripheral.

Beyond the classic management of credit on the keys, various functionalities available on the Caiman system include price and discount management, definition of specific time bands, free vends and free credits, development of fidelity systems, and management of a black list for lost keys or to avoid improper usage.

Caiman Lite is available in a version for reading/writing Paytec PIT keys and in a version suitable for reading/writing Mifare® media.





Caiman EXE: Executive Caiman MDB: MDB Slave



Standard EVA-DTS and extended formats. It can be collected via IrDA (external module optional), BT6002, Data Key/Card, PayTools/PayCloud and PC



With the App PayTools via BT6002 or USB-cable, through P6000, software Configurator on PC, Data Key/Card



System status via LED messages on the reader



Through SIB

CASHLESS MAIN FUNCTIONALITIES

- 100 prices/discounts, 4 special discount levels (10 prices), user groups, time bands, free vends, free credits, fidelity function, black list, key pre-payment, key code conversion
 - Autoprogramming of PIT keysRecycling mode



KEYS ACCESSORIES & SOFTWARE



Protocols



Audit



Configuration tools



Diagnostic tools



Undating tools

PIT KEYS





Type 1 Type 98 Auto-programmable key

FREQUENCY

125 KHz

SECURITY

and reader

Custom

7-byte password

2 PINS Security algorithm for protection against repeated access attempts Exchange of signatures between key

LABEL Standard Paytec

AVAILABLE COLOURS







Paytec's proprietary PIT contactless technology ensures maximum technical control of the solution and guarantees reliability and versatility. The PIT2 model further increases security standards thanks to new algorithms that make the key practically inviolable to cloning or tampering attempts.

With more than 15 million units sold, PIT (Programmable Identification Transponder) keys have become an indispensable element for many Vending operators.

The sales functionalities available through the keys represent an important marketing tool, not only by allowing easier payments, thus increasing sales, but also by improving clients' loyalty through easily programmable solutions (differentiated prices, free vends, free credits, time bands, etc.)

Paytec keys stand out for the variety of available colors and for the high level of customization. While the stem is always grey, the cap is available in red, green, yellow, blue, black, transparent and orange.

A **serial number is laser-printed** on each key stem so that each key can be uniquely distinguished.

Upon request, it is possible to **customize the label with a different logo (operator or final client)**, providing additional loyalty elements.

Keys can be configured with Caiman PIT programmer, or directly by the payment system with the auto-programming procedure when inserting the key for the first time.



KEY TYPES

Type 1 Type 98

FREQUENCY

13.56 MHz

SECURITY

PIN-protected and 16-bit CRC, 7-byte password

OTHER

Multi-application (MAD standard) with 3 client sectors on the keys

AVAILABLE COLOURS



Mifare® KEYS/CARDS



All the advantages of the multi-application of the Mifare® platform, integrated and adapted by Paytec according to the specific needs of Vending.

The great advantage of the Mifare® technological platform lies in the fact that the same support can be used as a payment instrument for Vending, for applications such as access control and attendance detection, or as an electronic purse for canteens and cafeterias managed by other operators. By using the dedicated License programmer, it is possible to buy and write the application developed by Paytec on the Mifare® media already in the client's hand (cards, tags, key holders, ...).

This **flexibility** allows Vending operators to integrate themselves seamlessly and rapidly in existing locations.

The stem of the Mifare® key is always grey, while the cap is available in a wide variety of colours: red, green, yellow, blue, black, transparent, orange.

Paytec's Mifare® keys are marked with the suffix "M" and a serial number lasered on the stem to be uniquely distinguished. The programming can be done with the Caiman Mifare® programmer.

PROGRAMMERS CAIMAN / CAIMAN Mifare®



The **Caiman** programming unit is available in two versions, one dedicated for programming PIT keys, the other for Mifare® keys/ cards and other Mifare® supports.

The **Caiman Programmer** is used to code and configure keys/cards for end-users and retrieve Audit data from Data Keys/Cards.

The Data Key/Card can be programmed to update systems already operating in the field.

In the Mifare® version, the Programmer can read Mifare® supports already programmed by third parties in order to identify the free areas where the Paytec cashless application can be written.

The product is supplied with its management software "PC Programmer".

PROGRAMMER Mifare® LICENSE



The **Mifare**® **License** Programmer allows operators to load the licenses stored in the Mifare® license card (500 licenses min.).

Thereafter, it is possible to write each single license on the Mifare® media already in the hands of the final users.

The product is supplied with its management software "Configurator".



CAIMAN PROGRAMMER and CAIMAN Mifare® PROGRAMMER

POWER SUPPLY 220 Volts



Software PC Programmer for Windows® 7 and Windows® 10

CONNECTION TO PC: USB or RS232

MAIN FUNCTIONALITIES

- Reading and programming of PIT keys and Mifare® cards/keys
 - Audit data retrieval from Data Key/Card
- Data Key programming for updating PIT systems configuration
 - Service management of Paytec PIT/Mifare® keys



Mifare® LICENSE PROGRAMMER

POWER SUPPLY 220 Volts



PC Programmer for Windows® 7 and Windows® 10

MAIN FUNCTIONALITIES

- Stand-alone
- 5 digit displa





formats. It can be collected via IrDA or with Data Key/Card



MAIN FUNCTIONALITIES

- 6-digit backlight displayDimension (HxLxP): 600x450x225

KEYCHARGER



A key charging station, ideal for all those locations where cash management is often problematic and expensive.

Paytec's Key Charger offers the possibility to load credit on Paytec keys with coins, banknotes and credit cards, concentrating cash in positions that are well protected against vandalism and robbery attempts, and making cash collection easier.

The recharging station developed by Paytec is available for keys with PIT technology as well as for keys and supports with Mifare® technology.

Audit data can be retrieved with IrDA palmtops or with the Data Key, and are available in both standard EVADTS and extended versions.

The Keycharger must be wall-mounted.

ACCESSORIES

Over the years, every operator has developed his own methods and habits to manage his on-field VMCs. That is why Paytec offers a wide range of tools and accessories, each one suiting specific needs.

To collect Audit data, various technologies such as IrDA or Bluetooth can be used. As a matter of fact, different solutions can be selected: operators can gather data manually (the technician actually stands before the

VMC), or they can decide to gather data remotely (with or without the physical presence of the technician before the VMC).

Also the **programming** of Paytec systems can be done in different ways, using the technologies and procedures that best suit the needs and way of working of each operator.



P6000

The P6000 palmtop programmer is the natural successor of the well-known P3000. Several improvements have been implemented in terms of compactness, capacity, speed, visibility and ergonomics. Programming takes place through a cable plugged on the serial port of products.

COMPATIBILITY all Paytec systems

MANAGEMENT locally **SOFTWARE** not required



BT6002





COMPATIBILITY all Paytec systems MANAGEMENT locally /remotely **ACCESSORIES** PC or Android mobile

SOFTWARE PayTools / PC Configurator / PayCloud (for remote connection)



UIC CABLE







The UIC cable (Universal Interface Cable) makes it possible to connect a payment system to the USB port on a PC. With software PC Configurator, operators can transfer and edit configurations, retrieve Audit data and run diagnostics. The UIC cable is ideal to configure systems in your office or complete complex interventions on site. With a USB adapter, you can connect the UIC cable to a Smartphone Android and configure payment systems with the App PAYTOOLS.

COMPATIBILITY all Paytec systems

MANAGEMENT ACCESSORIES PC / USB adaptor for mobile phone

SOFTWARE PC Configurator / PayTools



EXTERNAL IRDA - IRDA 6000



For those operators already using IrDA technology in order to collect Audit data, Paytec offers a range of practical and flexible solutions for payment systems that are not equipped with an integrated IrDA port. The external IrDA interface is an accessory to be mounted permanently inside the vending machine and enables the retrieval of Audit data with a PDA or other data read-out tools. IrDA6000 is a palmtop device that the operator connects each time to the vending machine in order to collect data.

COMPATIBILITY all Paytec systems (*)

MANAGEMENT locally

ACCESSORIES external IrDA module or IrDA6000 + IrDA palmtop or mobile

device with con RFT Smart module

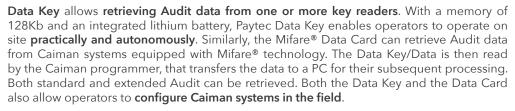
SOFTWARE PDA- or mobile based software

(*) An external IrDA or IrDA6000 module is required for Paytec systems that are not equipped with an integrated IrDA port

DATA KEY/CARD









MANAGEMENT locally

ACCESSORIES

Data Key (PIT) / Audit Card (Mifare®)
+ Caiman Programmer (*) + PC

SOFTWARE

PC Configurator / PC Programmer

(*) Caiman Mifare® Programmer in case of Mifare® systems







Exceptions:

- The firmware of APEX bill acceptor is updated with Programmer PRO-2
- The firmware of CV2406 and CV3516 coin validators is updated at Paytec's headquarters



TRITECH CABLE

The TriTech cable enables connection between the "TriTech" systems by FAS and cashless systems CAIMAN by Paytec. In this way the keys are loaded with special credits corresponding to the recycling of waste materials, which can be redeemed later.

NOTE COMPATIBILITY

- Audit data retrieval and configuration in these modes is possible only for product with DDCMP protocol. CV2406 and CV3516 coin validators, as well as APEX bill acceptors do not support this protocol.
- CV2406 is programmed with a PC and a UIC cable.
- CV3516 is programmed by operating on DIP switches
- APEX bill acceptor is programmed by operating on the DIP switches

SOFTWARE

Paytec software offers the essential tools for a correct and professional management of your vending machines while simplifying your daily activities.











PAYTOOLS

USE YOUR SMARTPHONE AS A PALMTOP PROGRAMMER

PayTools is a free Android application for a more convenient and comfortable management of VMCs.

With PayTools, the refiller's and the technician's smartphones turn into palmtop programmers, enabling them to establish a Bluetooth connection and collect Audit data from Paytec systems or from the most common models by other manufacturers.

PayTools also allows **rapid and complete programming** of Paytec products, both following the logic of the P6000 portable programmer and through intuitive configuration pages, developed specifically for portable devices of various sizes.

PayTools finally it also allows to carry out the **functional diagnostics of the changegiver**. Just like all Paytec software tools, a series of tutorials are directly accessible from the tool itself, to solve all the most common doubts in no time.

The latest release of PayTools now also allows the **direct update of the OPTO Firmware** without the use of other tools such as a SIB as well as the **management of Black Lists**, by quickly loading the numbers of the keys to be blocked.

The downloaded files can be shared with Paytec's Customer Service practically in real time, to verify the correct configuration of the systems directly in the field.

Through the App PayTools, the audit and configuration files can also be uploaded to the **PayCloud platform to remotely control and update your vending machine** in a similar way to telemetry solutions, but without incurring the costs typical of this type of service. Configuration and Audit files are safely stored in the Cloud, which eliminates the chance of errors and always gives a view of the situation on the field without having to connect all VMCs remotely.

AUDIT CONTROL



Audit Control is a Windows®-compatible software application, designed to ease the management of data retrieved by the Audit function from Paytec payment systems.

Once data have been retrieved from the payment systems using one of the available tools, they can be loaded on a PC for analysis. It is also possible to export data in standard formats for further investigation and management.

With Audit Control, one can achieve full visibility over payment flows of any single vending machine and any payment mode, cash as well as cashless. Available information includes:

- total sales;
- total cashed and sold in coins and banknotes;
- total credits and debits on cashless keys.

Just like all Paytec software tools, a series of tutorials are directly accessible from the tool itself, to solve all the most common doubts in no time.

Audit Control is free software offered by Paytec and includes the essential tools for a correct and professional management of vending machines.

AUDIT VIEW



Audit View is a Windows®-compatible software application, designed to ease the management of data retrieved by the extended Audit function from Paytec payment systems.

Once data have been retrieved from the payment systems using one of the available tools, they can be loaded on a PC for analysis. It is also possible to export data in standard formats for further investigation and management.

Beside the characteristics included in Audit Control, with **Audit View** one can access **payment details at single user level (key)**, in order to further deepen the analysis. It is also possible to automatically consolidate data from more distributors of the same location in order to achieve a **joint overview** of the payment flows. This function simplifies for example determining the balance between free credits and effective consumptions at the end of the time period or extracting trends about usage per type of payments.

By generating a database at single user level, it is possible to get information about:

- details of each transaction performed with keys;
- updated credit of all active keys;
- payment flows and remaining credits at location level;
- bookkeeping of single locations, with the possibility to print detailed reports to use with the client

Just like all Paytec software tools, a series of tutorials are directly accessible from the tool itself, to solve all the most common doubts in no time.

Audit View is the ideal tool to manage complex locations, where the dynamic of the vending machines and/or the client require careful attention.





PC CONFIGURATOR



PC Configurator is a PC application (compatible with Windows®) enabling communication with Paytec payment systems. The application enables users to:

- read, modify and transfer configuration data
- read Audit data
- transfer configurations, messages and black list to a Data Key in order to configure systems on spot;
- transfer firmware upgrades to a SIB unit (with messages and/or configurations);
- make diagnostics and program coins
- upload configurations on PayCloud

Just like all Paytec software tools, a series of tutorials are directly accessible from the tool itself, to solve all the most common doubts in no time.

PC Configurator is free software offered by Paytec and includes the essential tools for a correct and professional management of vending machines.

PC PROGRAMMER



PC Programmer is a Windows® application designed to manage any Paytec key/card with Caiman Programmers for PIT or Mifare® devices. PC Programmer enables users to:

- read and program keys/cards;
- transfer Audit data from Data Key/Card to a PC;
- manage Mifare® licenses.

Just like all Paytec software tools, a series of tutorials are directly accessible from the tool itself, to solve all the most common doubts in no time.

PC Programmer is free software offered by Paytec and includes the essential tools for a correct and professional management of Paytec cashless payment systems.





CHANGEGIVERS

COMPARATIVE TABLE

MODEL	EAGLE2	FOUR	EAGLE Smart	FOUR MDB-only
Tubes	6	4	6	4
Coin channels	30	30	30	30
Executive	О	0		
Price Holding	0	0		
MDB Master level 1 and level 3	0	0		
MDB Slave	0	0	0	0
BDV001 Master/Slave	0	0		
Charger mode	0	0		
Built-in cashless functionalities (PLUS)	0	0		
Double cashless MDB	0	0		
Connection to bill acceptor in pulse mode		0		
Connection to MDB peripheral devices	0	0		
Embedded IrDA port	0			
Integrated display	0	0		0
Extended Audit, compatible with AuditView	0	O		
Audit read-out				
locally with IrDA palmtop	0	O 1	o ¹	O 1
locally with PC and UIC cable	0	0	0	0
locally with Data Key/Card	O ²	O ²		
remotely with PayTools/PayCloud	0	О	0	0
Programming				
locally with P6000/BT6002/PC	0	0	0	0
remotely with PayTools/PayCloud	0	0	0	0

 $^{^{\}mathrm{1}}$ IrDA or IrDA6000 interface required

² Caiman key/card reader required

CASHLESS SYSTEM

COMPARATIVE TABLE

MODEL PIT / MIFARE*	EAGLE PLUS	FOUR PLUS	CAIMAN EXE	CAIMAN LITE EXE	GIODY ²	CAIMAN MDB-MDB	CAIMAN LITE MDB	OPTO ²
Executive	0	О	О	О	О			
Price Holding	0	0	О	0	О			
MDB Master	0	О	О			0		
MDB Slave	0	О	О		О	0	0	0
Charger mode	0	О	О	О	О			
Connection to Bill acceptor		О	О		О	0		
Connection to 24 VDC coin validator			О	0		0		
Connection to MDB peripheral devices	0	0	О			0		
Double cashless MDB	0	О	O			0		
Double price table Cashless MDB	0		0					
Sales notifications	0	О	О					
Recharge between Cashless			О					
Embedded IrDA port	0	О	О		О	0		
Prices/Discount list	0	О	О	0	0	0	0	0
Hour/Date	0	О	О	0	О	0	Ο	0
Time bands	0	0	0	0	0	0	0	
Free Vend/Free Credit	0	O	О	0	0	0	О	0
Bonus at recharging	0	О	О		0			
Calendar bonus	0	O	О		О			
Bonus menu	0	0	О		0			
Fidelity	0	О	О	o ¹	O	0	O 1	
Black list	0	0	0	0	0	0	0	
Auto-programming of keys	O ²	O ²	O ²	O ²	O ²	O ²	O ²	O ²
Extended Audit, compatible with Audit View	0	0	О	0	0	0	0	
Audit readout								
locally with IrDA palmtop	0	0	0	O ³	0	0	O 3	
locally with PC and UIC cable	0	О	О	0	О	0	0	
locally with Data Key/Card	0	О	О	0	0	0	0	
remotely with PayTools/ PayCloud	0	О	O	0	0	0	0	
Programming								
locally with P6000/BT6002/PC	0	О	O	0	O	0	0	0
remotely with PayTools/ PayCloud	0	О	0	0	0	0	0	0

¹ 10 prices max.; not available on CAIMAN LITE EXE Mifare®

² PIT technology only

³ External IrDA or IrDA6000 interface required

NOTES

NOTES

To help you manage your day-to-day activities as simply as possible, we've made it even easier to find our products and services.

Firmware and manuals can be downloaded from the reserved area PayDoc on paytec.eu. All Paytec's products are also available online. Register on paytec.eu and discover all the advantages of Paytec's e-shop.



DO YOU HAVE A COMMERCIAL REQUEST?

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DO YOU NEED TECHNICAL ADVICE?

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