



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 operators 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

INDEX

DIGITAL SOLUTIONS	5
OPTO	6
Vendotek	7
PayCloud	8
CASH & CASHLESS	9
Eagle Plus	10
Eagle Premium	11
Four Plus	12
Four Premium	13
Giody	14
CASH	15
Apex 7000	16
Eagle2	17
Eagle Smart	18
Four and Four MDB-only	19
CV2406 and CV3510	20
CASHLESS	21
Caiman EXE	22
Caiman MDB-MDB	23
Caiman Lite EXE and MDB	24
KEYS, ACCESSORIES & SOFTWARE	25
PIT Keys	26
Mifare® Keys, Cards and adhesive Tags	27
CAIMAN and CAIMAN MIFARE® Programmers	28
MIFARE® LICENSES Programmer	28
Keycharger	29
Accessories	30
PayTools	32
Audit Control	33
Audit View	33
PC Configurator	34
PC Programmer	34
Comparative Tabel Changegivers	35
Comparative Tabel Cashless systems	36

DIGITAL
SOLUTIONS

-  Protocols
-  Audit
-  Configuring tools
-  Diagnostic tools
-  Updating tools

OPTO

AT THE SPEED OF LIGHT



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.

 OPTO-PIT reader

 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.





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 T2143 (EMVCO and Mifare®)
Includes 2G/3G modem and SIM card. LAN connection available.

 MDB Slave, pulse, parallel

 Standard EVA-DTS format, readable through DEX/DDCMP/MDB ports or remotely (via 3G)

 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 and HUF
- Weekly/monthly settlement to operator bank account
- Possibility to display custom images (logo's) from remote upload

VENDOTEK

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.

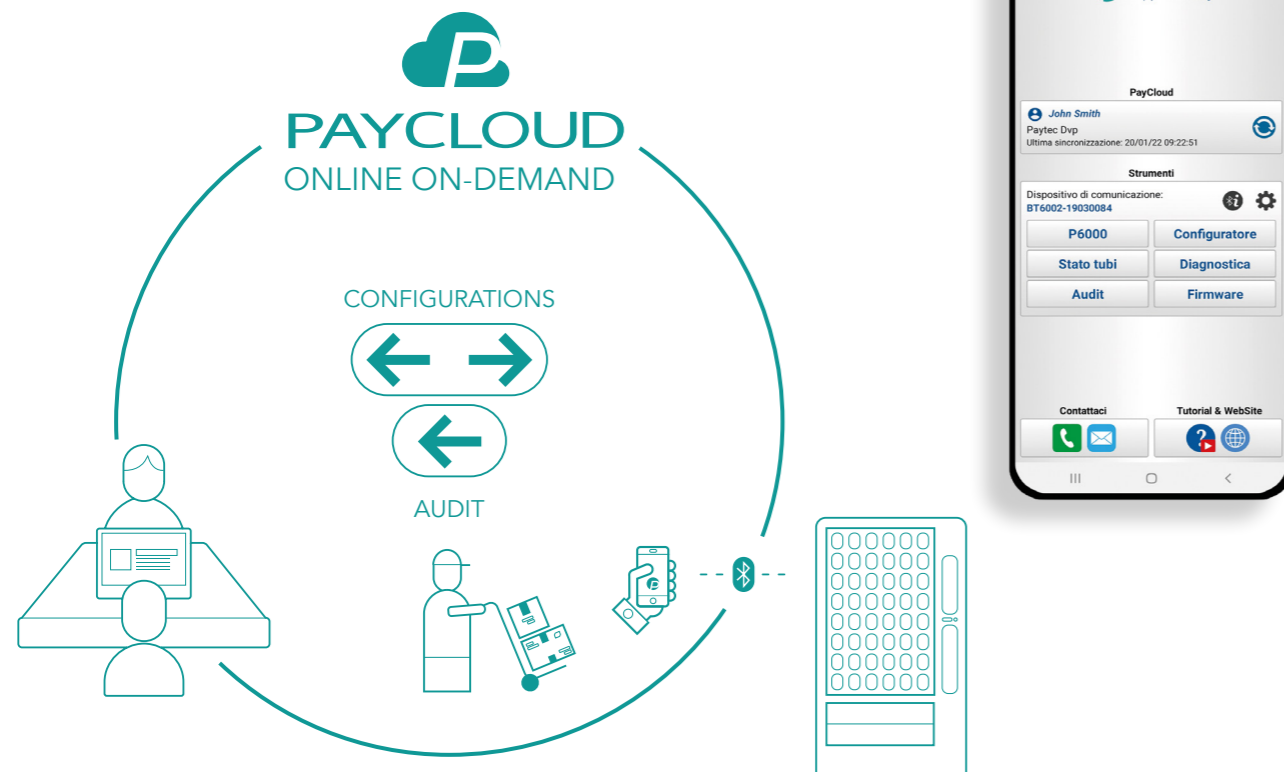
In combination with a CAIMAN central unit, Vendotek can also be **used to load credit directly onto a traditional key, which significantly reduces the impact of bank charges.**

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**.

6-TUBE EAGLE2 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, 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®



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.

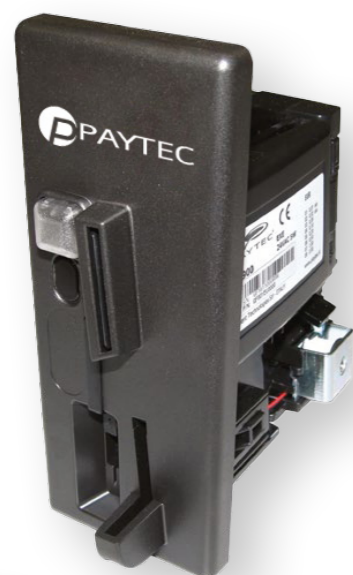
The control and management of the system are entrusted to the tested Caiman master unit which, in addition to directly managing the cashless part through the Caiman reader, controls the changegiver FOUR MDB-only. In this way, **audit and configuration information remains stored and available on the Caiman 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.

GIODY COIN VALIDATOR WITH INTEGRATED READER FOR PIT KEYS



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



CASH



Protocols



Audit



Configuration tools



Diagnostic tools



Updating tools

APEX 7000



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.

APEX 7000 BILL ACCEPTOR



MDB



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

6-TUBE EAGLE2 CHANGEGIVER



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 change giver is only equipped with protocol MDB, which simplifies its functioning and makes it the ideal solutions for those locations where the change giver 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 change giver 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.

6-TUBE EAGLE SMART CHANGE GIVER



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

CHANGE GIVER 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

4-TUBE FOUR CHANGE GIVER



Executive, MDB Master, MDB Slave



4-TUBE FOUR MDB-ONLY CHANGE GIVER



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

CHANGE GIVER 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

CHANGE GIVER 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 change giver **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 change giver FOUR becomes a full-fledge cashless system.** The standard display on the change giver makes diagnostic tasks easier.

The change giver 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 change giver 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



The coin validator **CV2406** is known for its **reliability and accuracy** in coin discrimination. The device is versatile, working with **12V and 24V**. It has **24 standard programmable channels** and can be easily configured via Configurator and DIP switches. Coins and tokens can be programmed without the need for additional tools. If required, the product is available with a case adaptor, in order to be installed on any vending machine.

CV3516



The coin validator CV3516 relies on an innovative measuring system to ensure high coin acceptance rates and an optimum rejection of counterfeits. Enhanced features, including high processing speed, guarantee improved efficiency and security standards to offer a coin selecting technology that meets the most stringent requirements. Features such as anti-fishing and coin jam surveillance underline utmost security. **CV3516 also includes a specifically developed technology for bi-color coins - a feature necessary for Euro coins among others.** Thanks to a teaching mode function, additional coins and tokens may be programmed without the need for supplementary equipment. A self-diagnostic function ensures optimum results.

COIN VALIDATOR CV2406

- Standard parallel 12/24VDC
- N/A
- DIP switches or software Configurator on PC
- Software Configurator on PC
- At Paytec's

MAIN FUNCTIONALITIES

- 24 coin channels with 6 exits open collector

COIN VALIDATOR CV3516

- Standard parallel 12/24VDC
- N/A
- DIP switches
- On board
- At Paytec's

MAIN FUNCTIONALITIES

- 32 active channels, up to 16 different coins or tokens
- 2 channels dedicated to tokens
- Coin blocking: 16 DIP switches for blocking individual or groups of coins



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.

CAIMAN CPU EXE + KEY READER (PIT or Mifare®)

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 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

CAIMAN CPU MDB + KEY READER (PIT or Mifare®)

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 system.

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 change giver 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 change giver 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 LITE READER FOR
PIT KEYS or Mifare®
KEYS/CARDS**



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 keys
- Recycling mode



KEYS ACCESSORIES & SOFTWARE



Protocols



Audit



Configuration tools



Diagnostic tools



Updating tools

KEYS

PIT KEYS



Paytec's proprietary PIT contactless technology ensures maximum technical control of the solution, while at the same time guaranteeing reliability, safety and versatility.

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 black, 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.



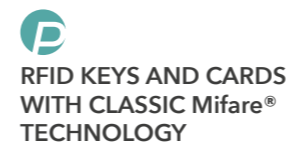
KEY TYPES
Type 1
Type 98
Auto-programmable key

FREQUENCY
125 KHz

SECURITY
2 PINS
7-byte password

LABEL
Standard Paytec
Custom

AVAILABLE COLOURS



KEY TYPES
Type 1
Type 98

FREQUENCY
13.56 MHz

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

LABEL
Standard Paytec
Custom

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.

Mifare® keys by Paytec can be distinguished from PIT keys by the color of the stem (anthracite gray instead of black), while the cap is available in the same colors: 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 (Mifare keys can be distinguished from PIT keys for the final "M" in the serial number). Upon request, it is possible to **customize the label with a different logo** (operator or final client), providing additional loyalty elements. 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

**KEYCHARGER FOR
PIT KEYS and Mifare®
KEYS/CARDS**

Standard EVA-DTS and extended formats. It can be collected via IrDA or with Data Key/Card

Through SIB

MAIN FUNCTIONALITIES

- Vandalism-proved, painted, stainless steel structure
- Anti-theft lock with safety bars
- Anti-fishing coin inserting system
- Bill acceptor with maximum capacity of 300 bills
- Coin acceptor
- 6-digit backlight display

**Mifare® LICENSE
PROGRAMMER**

POWER SUPPLY
220 Volts

PC Programmer for Windows® 7
and Windows® 10

MAIN FUNCTIONALITIES

- Stand-alone
- 5-digit display

KEYCHARGER



An anti-vandal structure and an anti-burglary key: ideal solution 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 and banknotes, 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.

A version with credit-card reader (MDB) is also available to increase recharging options.

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

BT6002 is palmtop device enabling **Bluetooth connection with payment systems**. Thanks to such device, Bluetooth terminals (PDA, tablet, smartphone, PC...) can connect with payment systems without need for cables that complicate the work of the operators. BT6002 is powered by the payment system and no further adapters are necessary. Such device is easy to use and carry along in the operator's daily working activities. **Used with PayTools, BT6002 will be a workmate you can't do without.**

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	locally
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



Data Key allows **retrieving Audit data from one or more key readers**. With a memory of 128Kb and an integrated lithium battery, Paytec Data Key enables operators to operate on site **practically and autonomously**. Similarly, the Mifare® Data Card can retrieve Audit data from Caiman systems equipped with Mifare® technology. The Data Key/Data is then read by the Caiman programmer, that transfers the data to a PC for their subsequent processing. Both standard and extended Audit can be retrieved. Both the Data Key and the Data Card also allow operators to **configure Caiman systems in the field**.

COMPATIBILITY	all Paytec systems equipped with a Caiman reader (*)
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



SIB



The **SIB (Serial Interface Board)** is used to **store and transfer firmware from a PC to the Paytec payment systems in the field**. The firmware was previously loaded on the PC through the software PC Configurator. For Eagle, Four, Giody, Caiman and Caiman Lite, SIB can also be used to update the product configuration.

- 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



Scan the
QR-Code

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 change giver. 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.

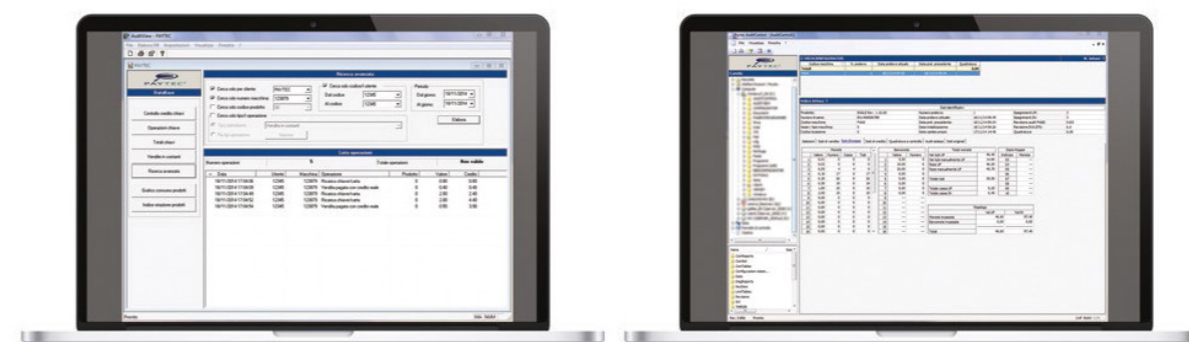
Beside the characteristics included in Audit Control, with Audit View one can access payment details at single user level (key), in order to further deepen the analysis. It is also possible to automatically consolidate data from more distributors of the same location in order to achieve a joint overview 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.

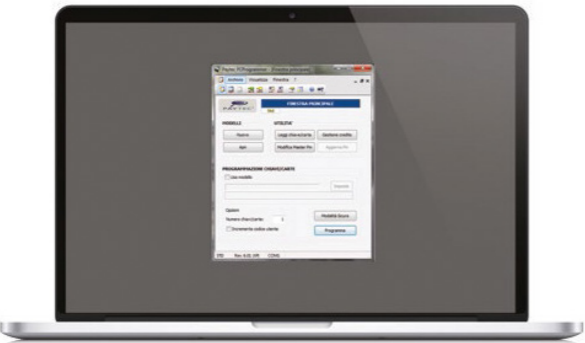
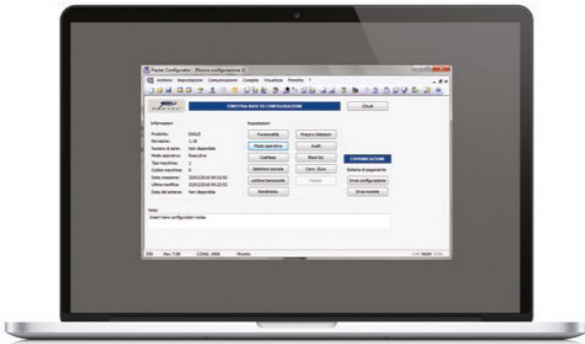
PC PROGRAMMER



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	o	o		
Price Holding	o	o		
MDB Master level 1 and level 3	o	o		
MDB Slave	o	o	o	o
BDV001 Master/Slave	o	o		
Charger mode	o	o		
Built-in cashless functionalities (PLUS)	o	o		
Double cashless MDB	o	o		
Connection to bill acceptor in pulse mode		o		
Connection to MDB peripheral devices	o	o		
Embedded IrDA port	o			
Integrated display	o	o		o
Extended Audit, compatible with AuditView	o	o		
Audit read-out				
locally with IrDA palmtop	o	o ¹	o ¹	o ¹
locally with PC and UIC cable	o	o	o	o
locally with Data Key/Card	o ²	o ²		
remotely with PayTools/PayCloud	o	o	o	o
Programming				
locally with P6000/BT6002/PC	o	o	o	o
remotely with PayTools/PayCloud	o	o	o	o

¹ IrDA or IrDA6000 interface required
² Caiman key/card reader required

CASHLESS SYSTEM

COMPARATIVE TABLE

NOTES

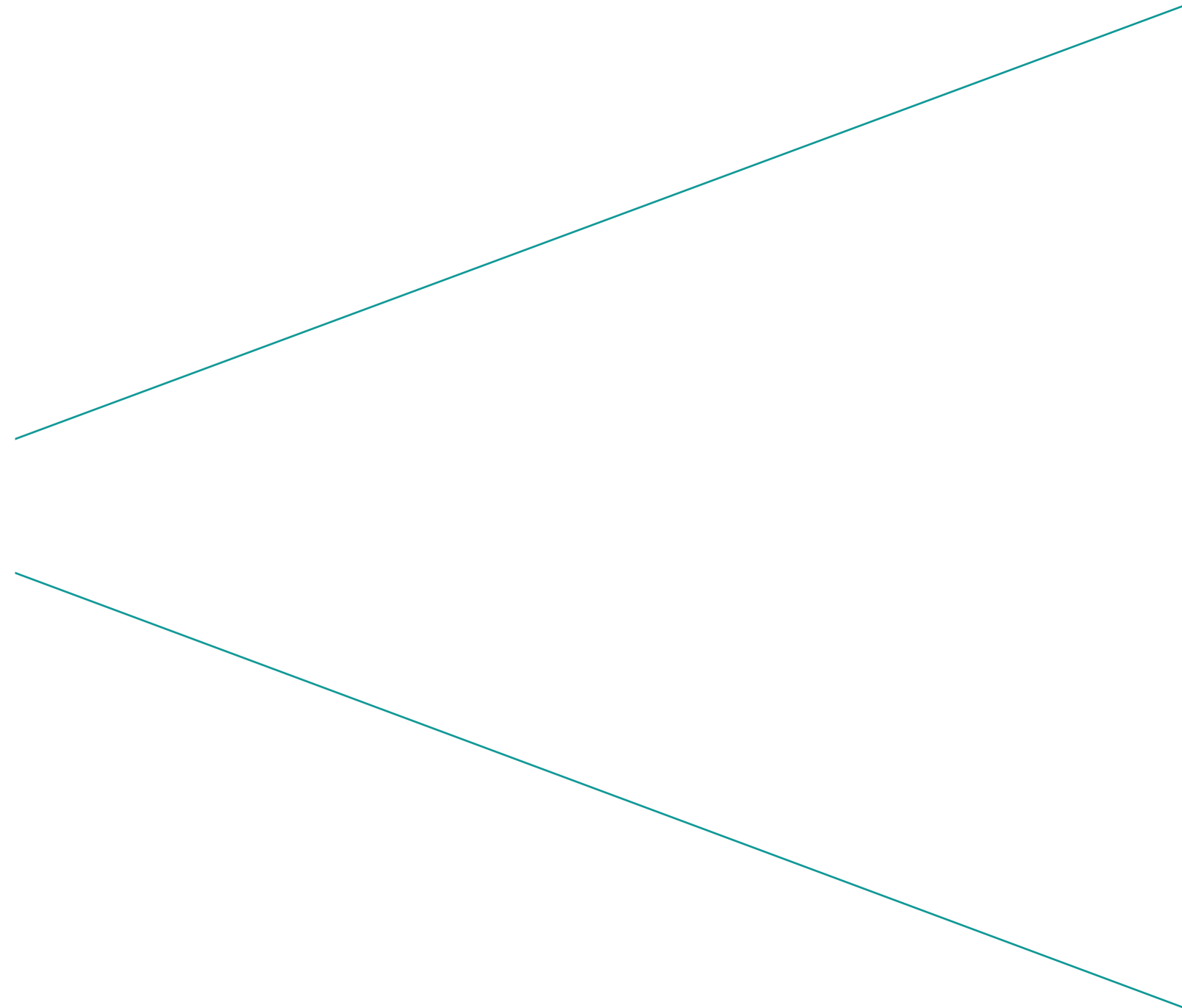
MODEL PIT / MIFARE*	EAGLE PLUS	FOUR PLUS	CAIMAN EXE	CAIMAN LITE EXE	GIODY ²	CAIMAN MDB-MDB	CAIMAN LITE MDB	OPTO ²
Executive	o	o	o	o	o			
Price Holding	o	o	o	o	o			
MDB Master	o	o	o			o		
MDB Slave	o	o	o		o	o	o	o
Charger mode	o	o	o	o	o			
Connection to Bill acceptor		o	o		o	o		
Connection to 24 VDC coin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

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

² PIT technology only

³ External IrDA or IrDA6000 interface required

NOTES





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