



PARKING TICKET MACHINES





OPTIMAL

CONTROL

OPTIMAL MANAGEMENT OF PARKING SPACES

Studies have shown that the automotive traffic caused by people searching for a parking place in inner cities amounts to roughly 40 percent of total traffic. Stressed-out car drivers and more air pollution because of increased CO₂ emissions are the result.

Precisely in those places where the number of parking vehicles exceeds the number of available parking spaces, it will remain a never-ending challenge for cities, communities and municipalities to optimally manage the available space for parking – and this issue will become even more important in the future. The issue is not only managing and reducing traffic volumes and the associated noise and environmental pollution, but above all finding a successful tool for local transportation planning.



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**YUNEX
TRAFFIC**
A Siemens Business



TECHNOLOGY & DESIGN

DESIGN AND MODERN TECHNOLOGY

RTB parking ticket machines are an excellent choice for optimally managing public parking resources, not only because of their visual design but mainly because of their versatile technology and their outstanding reliability.

Our product range features two machines, each designed to meet different requirements. One is particularly resistant to vandalism and the other is an high-end solution.

Reliability, quality and innovation in particular are the values that RTB has made a top priority in the area of parking.



PECUNI

THE SAFE

There is no denying that machines containing “cash” are often particular targets of vandalism and break-ins. Pecuni resists these attacks with a series of security options. In addition, the device is visually appealing, easy to use and equipped with convenient reporting and networking functions – a dependable all-in-one solution.

OPTIONAL: A SAFE FOR COINS

Coins are kept secure in a safe that is protected by a 6 millimeter thick door (additional manganese plates optional for machines in security class P3). Standard is the security class P0 acc. to EN 12414:2020.

The parking ticket machine can optionally be supplied in the security class P3 or in a version that complies with the VdS Directive 3546/security level P4.



Certified security! Highest classification according to class P4 (VdS directive 3546)



PICAVE

In addition to the conventional operating mode, where the machine prints a ticket, the PICAVE also offers the following convenient options:

PAY & GO – PAY ON ARRIVAL

Users select a parking duration and enter their vehicle's registration plate number on the touch display. The ticket doesn't need to be put on display, which means that users don't need to walk back to their cars. Digital checks are performed using the vehicle information.

Real-Time Parking – pay on departure

Users initiate the parking process when they arrive at the ticket machine and end the process when they leave. Users only pay for the actual parking duration.

MAXIMUM CONVENIENCE

Benefits of the 7-inch touch display include easy entry of plate numbers and intuitive selection of the correct tariff, such as the standard tariff, flat-rate tariff or special tariff. User ergonomics follow a logically structured sequence in one direction – from top to bottom.

A state-of-the-art card reader allows special conditions to be assigned to certain user groups, such as residents, special guests or employees of local companies, via (RFID-based) chip cards. Tariff adjustment is also really simple. Thanks to the "PDM.control" browser-based back-end software, the machine's current configuration can easily be read remotely, modified and reinstalled on the machine.



The model shown is a special color. As standard, the PICAVE is delivered in the colors RAL5011 and RAL9006



TECHNOLOGY & USAGE

OPERATING CONVENIENCE IS PARAMOUNT

Piezo push-buttons with language-neutral icons make operation exceptionally easy. The operator ergonomics follow a logically structured sequence in one direction: from top to bottom. An additional convenience of the parking ticket machine is the combined coin return and parking ticket issuing compartment.

ALL THE LANGUAGES OF THE WORLD

Our parking ticket machines are intercultural. Thanks to the devices' modern user interface, speakers of different languages will immediately be able to use the machines. In addition to the default language, other languages can be selected by means of a language selection button. As part of this selection, each language can be individually configured. Even Mandarin or Japanese can be implemented easily through the graphic display.

DIFFERENT RATES:

SELECTED SIMPLY AND CHANGED EASILY

Users have a fare selection button available with which they can easily choose between different rates. In addition, it is possible to give certain groups of people special conditions on RFID cards. Making rate adjustments is also simple: rate changes can be made quickly and easily with the LTE-M connection to the devices. Tedious replacing of rate charts at the machines is no longer necessary.



POWERED BY THE SUN

Optimized for minimum energy consumption, RTB parking ticket machines can also work as completely autonomous units at freezing temperatures. The machines are supplied with the necessary electricity via a solar panel, and they are connected with the central office via wireless connection. An M2M card with a monthly data volume of at least 30 MB is needed for this. Even when powered by solar energy, this connection can be used online 24 hours a day. What's particularly advantageous: Because no cables must be laid for the electricity or for the data exchange lines, resources and also installation costs can be saved.

CERTIFIED SECURITY WITH PECUNI

In order to best protect access to the money being stored, VdS-approved parking ticket machines are classified in four machine classes according to their resistance to theft. The requirements regarding how long it might take to break through the protection and the effectiveness of the tools that are used for a theft increase from class to class. RTB's "Pecuni" has reached the highest classification in accordance with the class P4.

SUSTAINABLE PROTECTION AGAINST WIND, WEATHER AND VANDALISM

A rugged housing made of stainless steel provides long-term protection against external influences and ensures lasting value. Even after years of use, the housing is almost completely recyclable. A prime example of sustainability!

Thanks to the integrated anti-graffiti protective coating, unwanted "works of art" can be very easily removed with a little bit of solvent.





TECHNOLOGY & USAGE

FASTER PAYMENT – FASTER PARKING

Parking is now even easier and faster – thanks to the RTB parking ticket machines with the new card reader. This facilitates contactless payment in particular. At the parking ticket machine, the user selects the required parking time and confirms it. The contactless payment process is then executed, even without entering a PIN for amounts of less than 50 euros.

FLEXIBILITY IN MEANS OF PAYMENT

Parking ticket machines from RTB can accept up to 16 different coins and coins of different currencies. The machine accepts all applicable card payment systems, from the girocard/contactless girocard to commonly accepted credit cards, RFID cards and NFC payment methods (Apple Pay, Google Pay) via smartphones and smartwatches.

DETERMINE THE REVENUE AT ANY TIME

The parking ticket machines can be conveniently monitored from the office. Status messages, POS data and revenue statistics are routed directly to the back-end software PDM.control. Long before the coin collections and settlement figures arrive, the exact daily revenue is known.

EASY TO CONFIGURE

All machines can be provided with new parameter data online, such as rates or advertising texts.



OPERATION

- ▶ Resident rates (can be selected by push button)
- ▶ Payment of fines at the machines (keypad)
- ▶ License plate/ parking place input (keypad)
- ▶ Contactless payment



CARD PAYMENT: SIMPLE, SAFE, AND IMMEDIATE

Payment via electronic money exchanges, e.g., with debit or credit cards, helps both the user and the operator. The user does not have to search for the right coins and the operator can significantly reduce the risk of theft and vandalism. Data can be transferred via LTE-M (4G) so that payments can be submitted immediately. One useful side effect: Electronic money can be transferred directly to the bank and is immediately available.

INDIVIDUALITY THANKS TO RFID

Special parking rates for established groups of people, e.g. residents, coworkers, teachers, students, and many more are possible with the use of RFID cards. A so-called whitelist with RFID card ID numbers can be saved via the back-end software PDM.control. These cards will be recognized and pro-

cessed accordingly on the parking ticket machines. Convenient and easy for the operator and the user.

TIMELY INFORMATION ABOUT DISRUPTIONS

The machines can be programmed to send a warning message within a certain period of time if no cash transaction has taken place. This way disruptions that are difficult to detect (e.g., plugging with chewing gum, fake "out of order" sign, etc.) can be discovered quickly. Messages signaling malfunctions and warning messages are transmitted in real time.



SPECIAL FEATURES

- ▶ RFID-Value Card System
- ▶ Optical coin validator
- ▶ Heating element
- ▶ Front illumination
- ▶ P-TOP
- ▶ Light ring
- ▶ Electrical lock for dispenser tray
- ▶ Solar charge controller



- ▶ Location and status overview of all parking ticket machines
- ▶ Central coordination of all software updates

- ▶ Service technician commissioning via email
- ▶ Each parking ticket machine has a symbol that displays the status of the device





TECHNICAL DATA

| | PECUNI | PICAVE |
|------------------------|---|--|
| Dimensions (W × H × D) | 370 x 1700 x 282 | |
| Surfaces | standard colors RAL5011 and RAL9006 other RAL palette colors available upon request | |
| Display | <ul style="list-style-type: none"> - Display freely configurable - LCD display, backlit - Text display, 24 characters × 4 rows - Rate display, 20 characters × 7 rows | |
| | - optional with touch display, 7-inch | Touch display, 7-inch |
| Operating elements | Piezo push buttons or touch display with activation button | Touch display mit with activation button |
| Printer | <ul style="list-style-type: none"> - Thermal printing - Optical paper monitoring - Paper cutter for half and complete cuts | |
| Coin system | <ul style="list-style-type: none"> - Electronic slot lock - Electronic coin validator for 16 different coins - Intermediate cash box for 32 coins - Motor reject | |
| Coin cash box | Removable cash box made from stainless steel with 2-stage lock; capacity 5 liters | |
| Battery version | <ul style="list-style-type: none"> - lantern version / power grid version - solar version (integrated or external) | |



AUTHENTIC PEOPLE. RELIABLE PRODUCTS.

That is the premise on which we operate. We aim to impress you with innovative power, excellent quality, and outstanding service. User-friendliness of our products and customer orientation are most important for us. We put our heart and soul into reliable, collaborative partnerships.

As an internationally company, RTB develops, produces, and distributes solutions in the traffic lights, detection and parking sectors. We have repeatedly set new standards for the industry with our bold ideas. We combine a constant willingness to innovate and dogged persistence with a natural straightforward approach. We see customers, suppliers and employees as equals, engaging in intensive dialog with them, which perhaps explains our long-term success.

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