



PARKING TICKET MACHINES



Optimum control

Optimum 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.





Design & Technology

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.

Our product range features two machines, each designed to meet different requirements. One is particularly resistant to vandalism and the other is an extremely flexible, high end solution. Most broadly, the models are distinguished by the dimensions of their housings and the associated compatibility with individual components.

Quality and innovation are the values that RTB has also made a top priority in the area of parking.



Primus

The individualist

The Primus has been designed to enable individual configuration – whatever the desire of payment, language, power supply, exterior finish coating, etc. is.

It offers an individual solution based on a high-tech modular system that will enrich any city, and not only because of how it looks.

Different housings make it possible to integrate a variety of options:

- Card reader
- Keypad
- PIN pad
- Banknote reader



Pecuni

The safe

There is no denying that machines containing cash are often particular targets for vandalism and break-ins. Pecuni resists these attacks with a series of security options. A built-in safe makes Pecuni a rugged vault among parking ticket machines. In addition, the device is visually appealing, easy to use and equipped with convenient reporting and networking functions - a dependable all-in-one solution.

A safe for coins

Coins are kept secure in a safe that is protected by a 6-mm thick door (additional manganese plates optional for machines in the security class P3) and that complies with security level S1 EN 14450 (excluding the coin input slot).

The parking ticket machine is optionally available for delivery in a version that complies with VdS Directive 3546/Security level P4.



Certified safety! The highest classification according to the P4 class (VdS Directive 3546)



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. To avoid confusion, the outlets for issuing the parking tickets and the coin return are combined.



All of the world's languages

Our parking ticket machines are intercultural. Thanks to the machines' modern user interface, speakers of different languages will immediately be able to use the devices. 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 by the graphic display.

Different rates: selected simply and changed easily

Users have a tariff selection button available with which they can easily choose between the regular rate, flat rate or special rate. In addition, it is possible to give certain groups of people special conditions on chip cards. Making rate adjustments is simple: A second display for customizable texts and a GPRS/UMTS/LTE connection to the devices make it possible to implement rate changes from the office with the click of a mouse. Lengthy replacing rate charts at vending 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; they can be connected with the central office via wireless connection. A SIM card with a monthly 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.

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.

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 the highest classification in accordance with the class P4.





Technology & Usage

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 and prepaid cards.

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 warnings are transmitted in real time.

Easy integration into existing networks

Many communities already offer Virtual Private Networks (VPN) through which various municipal services are connected to one another. RTB’s machines can be easily integrated into such networks, since the system architecture is based on open industry standards.

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 to the monitoring center. Long before the coin collections and settlement figures arrive, the exact daily revenue is known.



Easy to configure

Online, all machines can be provided with new parameter data, such as rates or advertising texts. In conjunction with the separate tariff display, no on-site service is necessary!



Technology & Usage

Card payment: Simple, safe and immediately available

Payment via electronic money exchanges, e.g., with debit or credit cards, helps both users 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 GPRS, UMTS or LTE so that payments can be submitted immediately. One useful side effect: Electronic money can be transferred directly to the bank and is immediately available.

Operation

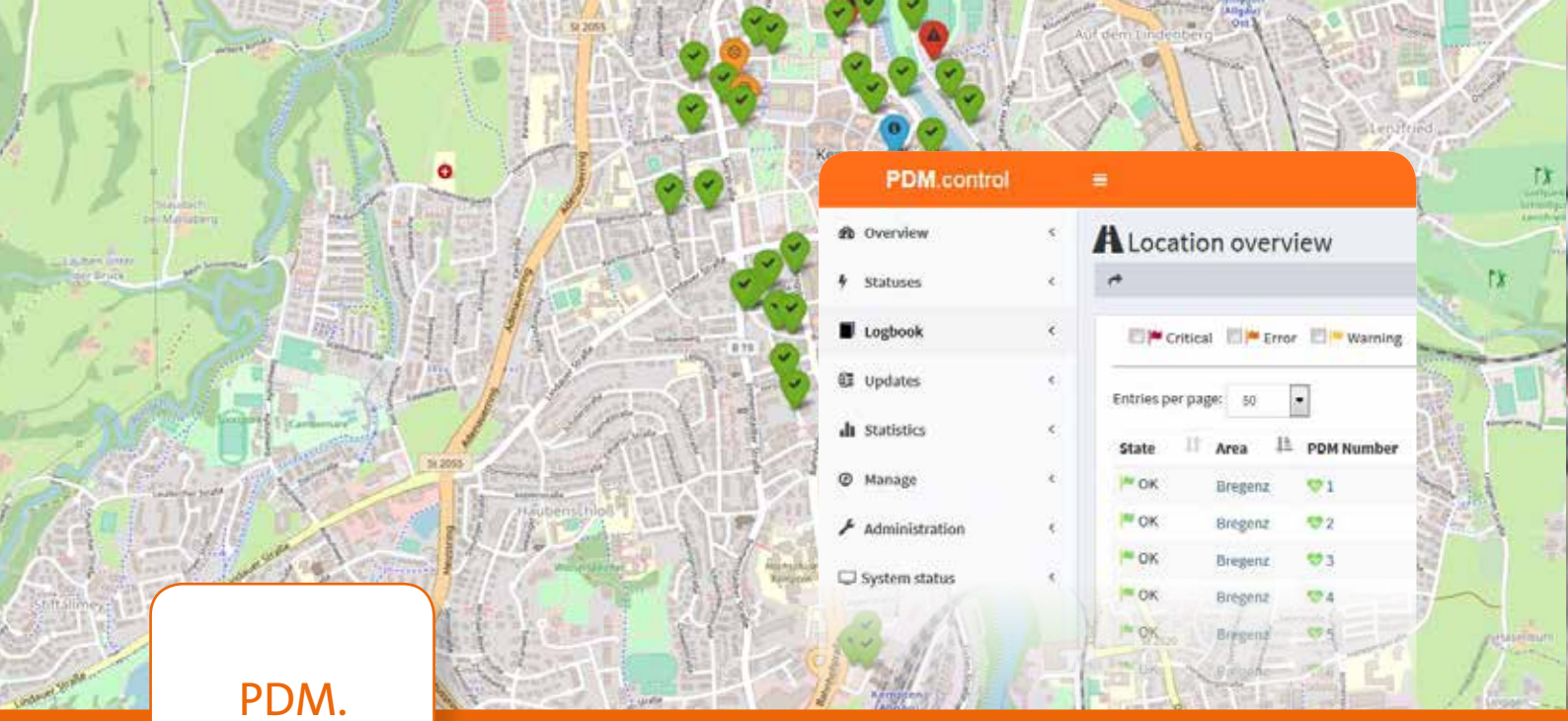
- Special tariffs for residents
(can be selected by push-button/chip card)
- Payment of fines at the vending machines
(using the keypad)
- License plate/parking place input
(using the keypad)
- Contactless payment

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 25 euros.

Special features

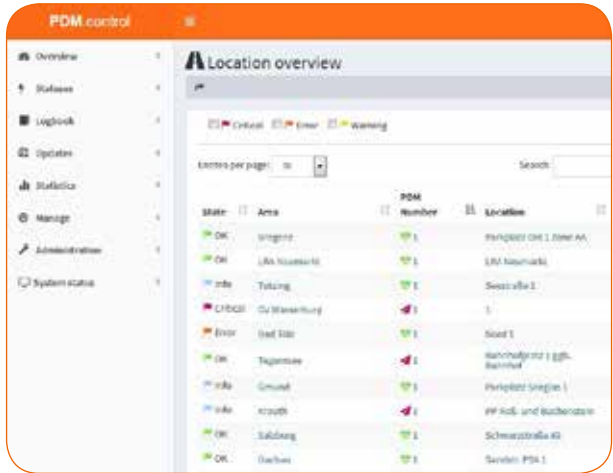
- Prepaid card system
- Special paint finish
- Optical coin examiner
- Banknote payment (Primus only)
- Heating element
- Front illumination
- P-TOP
- Illuminated ring
- Electrical lock for ticket tray



PDM. control

The PDM.control software makes it possible:

- All parking ticket machines at a glance
- Location overview of all parking ticket machines
- 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
- Dynamic bonus system
- Dynamic parking time extensions controlled by PDM.control



Revenues in real time

- Revenue statistics
- Overview of all transactions
- Dashboard with modern design for structured display of revenues, ticket sales, etc.

Time Interval	Transaction Count
00:00-01:00	1
01:00-02:00	1
02:00-03:00	1
03:00-04:00	1
04:00-05:00	1
05:00-06:00	1
06:00-07:00	1
07:00-08:00	1
08:00-09:00	1
09:00-10:00	1
10:00-11:00	1
11:00-12:00	1
12:00-13:00	1
13:00-14:00	1
14:00-15:00	1
15:00-16:00	1
16:00-17:00	1
17:00-18:00	1
18:00-19:00	1
19:00-20:00	1
20:00-21:00	1

Technical Data



	Primus	Pecuni
Dimensions (WxHxD)	450 x 1770 x 280	370 x 1700 x 282
Surface	All the colors of the RAL color range are possible, anti-graffiti-finish	
Display	<ul style="list-style-type: none"> - Can be freely parameterized - Backlit LCD display - Graphic display 240 x 64 pixels - Text display, 24 characters x 4 rows - Rate display, 20 characters x 7 rows 	
Operating elements	Piezo push buttons	
Printer	<ul style="list-style-type: none"> - thermal printing - Optical paper monitoring - Paper cutter for half and complete cuts 	
Coinage	<ul style="list-style-type: none"> - Electronic slot lock - Electronic coin examiner for 16 coins - Intermediate payment settlement for 32 coins - Optical coin examiner (optional) 	
Coin payment unit	Coin change cash box made of stainless steel, with 2-stage lock; capacity 5 liters	
Lamp post/grid version	<ul style="list-style-type: none"> - 230 V AC 50 Hz/110 V AC 60 Hz - Standby mode 12 V DC, < 4 mA - Power consumption 20 W in charge mode - Battery: 12 V, 7.2 Ah, 50 Ah or 75 Ah 	
Battery version	<ul style="list-style-type: none"> - standby mode 12 V DC, < 4 mA - 12 V/75 Ah battery 	



DIFFERENT than the OTHERS!

This is the premise we work on. We want to attract your attention with innovative strength, the highest quality and an excellent service. User-friendliness of our products and customer orientation are most important for us. We are doing everything for a reliable, partner-like cooperation.

Drawing on many years of experience, RTB develops, produces and sells innovative solutions for road traffic. In addition to supplemental equipment for traffic light signal systems, radar and laser systems for speed reduction and certified traffic data recording systems, our product range also includes parking ticket machines, innovative systems for electromobility and effective parking lot management.



Image source: www.fotolia.de



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