# PARKING

## AUTOMATED PARKING MANAGEMENT SYSTEM

Virtualnet is a company certified with ISO 9001:2008 which has significant knowledge and experience in implementing automation systems, providing integrated solutions that fully meet constantly changing needs of modern businesses and organizations.

- Parking management systems (**terminals have CE mark**) have been installed in many places

- Fleet Management System and weighing (Union of Municipalities and Communities Recycling)

- Information systems, electronic signs

- Management & Access Control

**Some of the most significant advantages of working with Virtualnet**

- **Quality guaranteed for 3 years.**

- **Adaptability to customer requirements**

- **Providing integrated solutions with fast and efficient implementation**

- **Support and collaboration from local certified partners**

The company has a team of specialist associates and sound technological infrastructure, throughout Greece, enabling a comparative advantage, and provides direct support for our systems.

## AUTOPARK 2020
### Parking Management system

Virtualnet provides an integrated parking management system of subscribers and occasional customers, (AUTOPARK 2020) fully compatible with the requirements of the tax code, and can issue certified receipts and invoices. The system consists of the **central customer management station**, and is scalable with access control (**input / output terminals**, and **access barriers**), and automation such as automatic recognition of number plates (OCR), automatic payment, which **speed up the access time of customers**. Plus we offer the automatic update of free parking lots electronic signs, even remotely with GPRS technology.

The system is organised in such a way that any new software modules, updates and versions can be easily added in all levels and upgrades. Also the **PMS** parking management system can support 16 entrance terminals, 16 exit terminals and 32 payment machines. The **PMS-plus** can be installed to cover any further expansion needs.

The figure below shows the structure of the automated parking
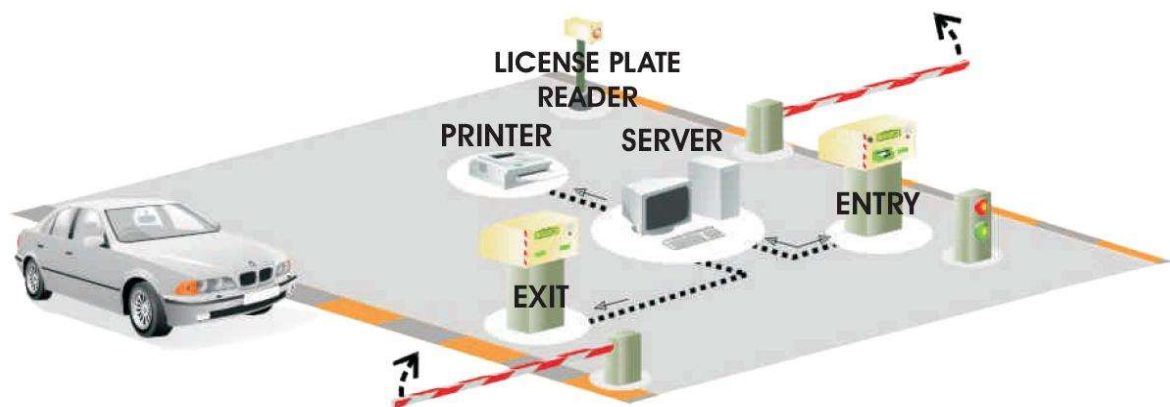


*Parking structure*

**SYSTEM DESCRIPTION**
The following description illustrates the general functions of the system.
All other subsystems can be added to the offered system whenever necessary.

Central server
The software system is installed in the central server through which the performance of all functions and coordination, communication and control of all regional system devices.

The central server is connected to all the main devices and the automatic car plate recognition system

All system software is a graphical environment (Ubuntu) and functioning fully in Greek and English and any other languages requested

## Parking Management System And Payment Station

| | | |
|---|---|---|
| 1 | **Central Server<br>or<br>Cloud Server** | Dell Server T150 *Xeon E3-1220v2(3.10GHz)*, 21'' flat screen, 16GB RAM, Hard Disk 2x1T Mirror, Linux Server and Data Recovery Server for uninterrupted operation<br><br>Cloud Server 4 CPU Core 16 GB Ram 1 TB storage |
| 2 | **Local Network** | Switch 16 ports Manageable 10/100/1000 Mb With the ability to operate Intercom via IP network (Voice-over-IP) Remote Control / Remote Support<br><br>For Cloud Connectivity, Internet connection with Backup Line |
| 3 | **UPS** | The system (UPS 3KVA online) Protection in real time ensures the uninterrupted operation of the parking lot, even in the event of a voltage drop |
| 4 | **PMS** | **WEB PARK** Cloud Portal<br>• Working Language GR, EN<br>• User Access Level 5<br>• Tariff Manager. Many tariffs levels of fee<br>• According to your needs with the possibility of special tax<br>• Full statistics<br>• Car plate number<br>• Reports & Statistics<br>• Error Handling routine |
| 5 | **Printers parking management** | • Ticket Printer for Lost Ticket<br>• receipts Printer |
| 6 | **Central cashier (Manual Cashier terminal)** | Manual Checkout Card Readers (RFID & Bar code, Magnetic encoder) Receipt Printer Coupon Management (optional) Connection with POS terminal |
| 7 | **Counting Vehicles** | Vehicle counting application and automatic management procedure for updating Electronic LED Sign – Traffic Light Red Green. |

| Entrance Control | | |
|---|---|---|
| 12 | **Terminal Entrance AUTOPARK 2020** | Resident customer check & hourly ticket customer<br>• Electronic Input Terminal Activation with Loop Detector<br>• Provides information (either spoken or via the screen in two languages)<br>• Ticket printing on credit card size heavy paper (pre-printed messages possible) and write the information to magnetic strip<br>• Prints Station Details, Date Time of Vehicle Entry, No. circulation or special unique number,<br> Resident customers use RFID Plastic Card<br><br>hourly ticket customer entrance using Credit – Debit Card (Optional) |
| 13 | **Terminal Exit AUTOPARK 2020** | Resident customer check & hourly ticket customer validation ticket.<br>• Electronic Input Terminal Activation with Loop Detector<br>• Provides information (either spoken or via the screen in two languages)<br>• Ticket printing on credit card size hard paper (pre-printed messages possible)<br>• Prints Station Details, Date Time of Vehicle Entry, No. circulation or special unique number,<br><br>hourly ticket customer payment - exit using Credit – Debit Card (Optional) |
| 14 | **Entrance Exit Barrier** | Access restriction in cooperation with the terminals, Barrier boom up to 3.5 meters length, 1Sec, duty cycle 100%, have mechanical-electronic protection for pedestrians |
| 15 | **Automatic Payment Station** | To reduce the workload of cashiers Customers can pay by cash or by credit / debit Cards |

## Data Recovery System

Our Web Park Cloud Portal Software is Cloud Ready and enables us to provide the OnLine Data Recovery Server which works in tandem with the Production Server. It is a Real Time Mirror of the Production and, through the special Process of the router, as soon as the Production server does not communicate, On Line Data Recovery takes over without any operational delay.
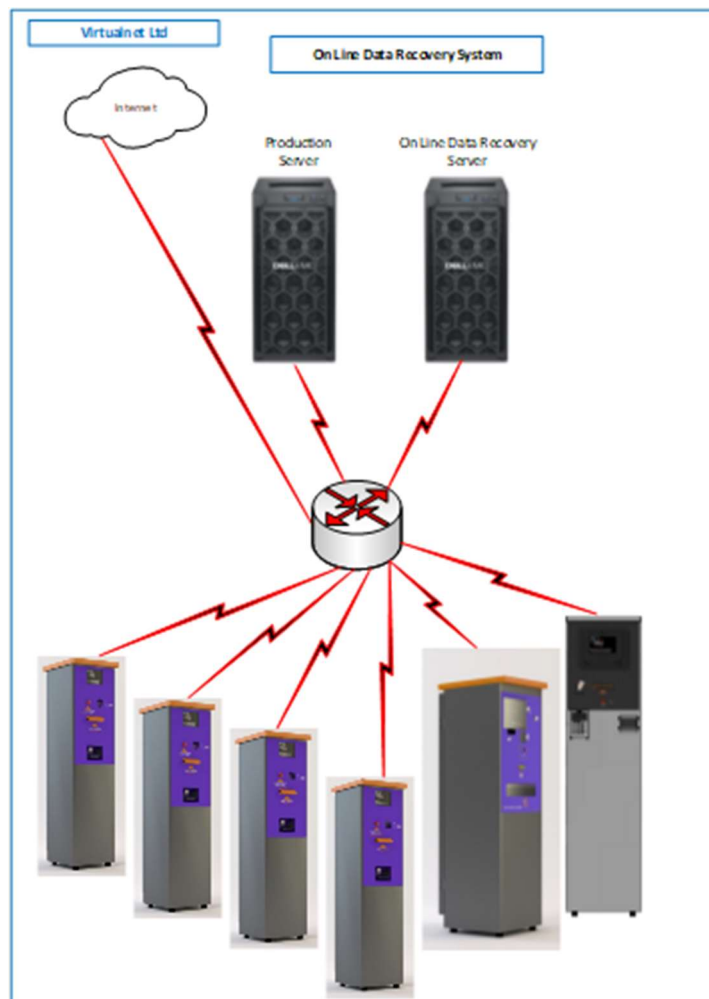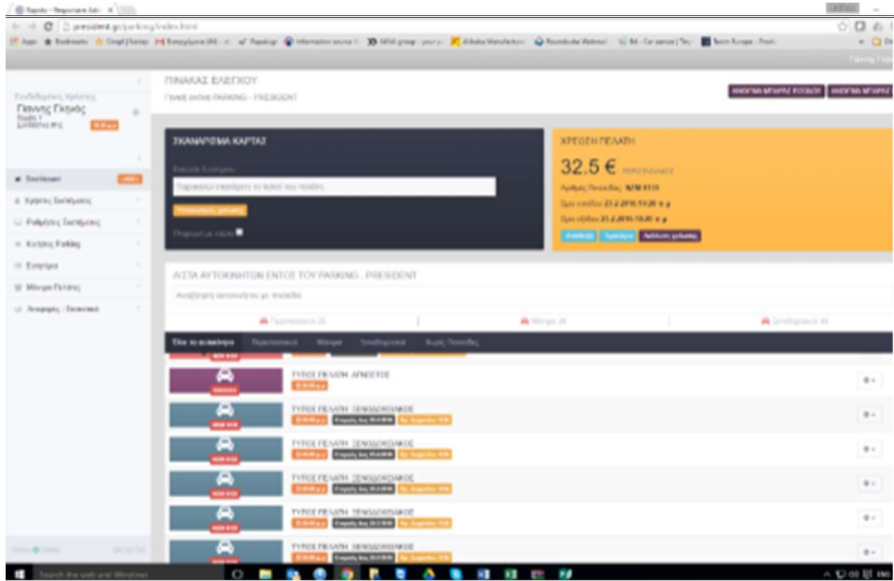
## WEB PARK Cloud Portal

The WEB PARK Cloud Portal (Server) central control system is installed on a Server-type computer with at least two 1T mirror disks. It uses a UBUNTU Server operating system, with "APACHE" WEB server and "MySQL" Database or on Cloud Server using VPN.

The system is customizable and user-friendly and undertakes the management of the parking lot, Handheld terminal, entry and exit terminals, automatic payment terminals, manual cash registers, the issuance of statistics and the printing of receipts. Also, the system automatically prints the entry-exit logs of the parking lots.

**PROVIDES**

• Full control of the parking lot with remote management
• Data security with RAID mirroring technology
• Availability 99.999 with On Line Data Recovery
• Automatic Plate Number Recognition (ANPR).
• Automatic billing calculation of Hourly ticket Customers & Resident customer (passing the ticket in front of the reader)
• Automatic receipt printing
• Customizable input of prices to get the desired charge
• Complete statistics that can be printed and read remotely
• Local and remote financial management
• Recording and presentation of problems and malfunctions of systems and devices of the system through the "Error handling routine"
• Operation through networks with Standard network protocol, (HTTP, TCP/IP, FTP),
• Central management of all system units (field units - Input/output units)
• Automatic Payment terminal with cash and Credit / Debit cards.
• Powerful subsystem for managing admin users and their rights.
• Powerful and customizable configuration system of the station's pricing policy.
• The system is multilingual
• Provides the option to export all reports to .CVS files

WEB PARK Cloud Portal Parking management software
The system manages all categories of customers and can issue at any time an analysis of the condition of the parked vehicles in the parking lot.

**Financial Application**

The Financial Tracking application works on a central Manual Cashier terminal/remotely via browser in the Parking Station supervisory office and is necessary for the control of the financial data of the Station and the production of statistical printouts. For this purpose, the work terminal has the ability to print reports on a printer.
The coordination and control of each peripheral device of the system is done through this terminal as well.

**Management of parking charge price lists**

The administrator in charge manages the price lists.
The following functions are supported:
• Price lists per parking hour or time zones of validity of price lists.
• Scheduling billing periods on a weekly schedule.
• Combination of weekly programs
• Management of fixed prices, Maximum charges of the first day, second etc., or even a period within a day (morning, afternoon, evening) or another billing zone.
• Price lists for holidays and special days.
• Easy to manage grace period between price list billing steps.
• Different card types or tickets will be able to follow different charging steps of the price list depending on the wishes of the Car Park Manager.
In the system, the Station's operating price list will be set initially and then it will work automatically without the possibility of prices being changed by the cashier.
The price list can support all possible price configurations both per hour (with a maximum daily charge) and for special agreements with permanent customers. In addition, there is the possibility to issue prepaid time cards (Coupons or daily or 2-5 day cards).
A programmable short free time (10-20min) is provided upon entry. Payment will be required after the free period has expired.

A short programmable free time (20min) is provided from the time of execution of the payment until the vehicle leaves the parking area. Payment will be required after the free period has expired.

The system supports the following types of charges/tickets:

| Description | How to use |
| --- | --- |
| Hourly ticket | This ticket is issued at the entrance terminal. |
| Lost ticket | Issued by cashier or Call Centre user, at Manual Cashier terminal or at Automatic Payment Terminal. |
| Free entry cards | They are issued to the central cashier (Manual Cashier terminal) after all the necessary data have been entered in the Central System. |
| Prepaid ticket (monthly) | The customer pays in advance for the time they stay in the parking lot. After this time, the customer pays according to the current price list for the additional time. |
| Resident Customer (monthly) | The customer pays in advance monthly payment at the central cashier (Manual Cashier terminal) and receives the resident customer RFID Card.<br>The resident card user can enter/exit the Parking Station for a month |
| Single-use ticket valid for 3 or "n" days | It has time validity. The access time starts counting from the first entrance in the Parking. The customer may enter/exit the parking site as often as they wish for the duration of its validity. |
| Pre-Purchase Parking tokens | Pre-purchase 1, 2 or 3 hours of parking time. For local businesses Owners that want to provide free parking to their customers.<br>Sold and issued at the central cashier (Manual Cashier terminal) in bundles of 10 tokens, 20 tokens, 30 tokens |
| Hotel Customer Cards | Pre-purchase of 1 or more parking spots for use by hotel customers. They are sold and issued at the central cashier (Manual Cashier terminal).<br>The card user enters/exits the Parking Station freely for the duration of their hotel stay. |
| Booking Server | Issues electronic ticket via the Internet Booking Server and the customers Pre-Purchase parking time. |
| Disabled (Booking Server) | The creation of disabled members via Internet is provided, as well as |

| | prepayment for future use by pre-booking a parking space via Booking Server or central cashier (Manual Cashier terminal). |
|---|---|
| Electric Vehicles | Free Parking and Charging Based on European Directive 2015 |
| | |

**Alarm and notification management application**

When there is an event that requires notification, it is recorded. The event parameters (type, importance etc.) are defined at the installation of the system. The notification management system receives the notifications and transfers them to pre-defined points in order of priority for management.

**System Event Log file**

The system continuously displays the resulting events and the relevant information. Data can be filtered based on ticket and device type.
Presented:
• On-screen presentation of event details based on provided selection filters and continuously updated.
• Print the event
The event information presented is:
• Date and time
• The device, terminal ID from which the event notification came, event ID, event description.

**Log Book**

Every event in the system is stored in the historical event file per category as they are presented below:
• Unscheduled events: alarms and device failures, use of invalid cards, etc.
• Staff events: Every operator action is saved in the historical event file so that each operator can be checked later by the system administrator,
• Card usage: The system saves any card usage in the history file
• Financial transactions: all payments are recorded in the system by category.

**Log of user actions**

The system constantly records all the movements that are made, whether they concern
users or applications. Through this subsystem a relevant report is obtained.
From this one can see when the operator connected and their actions with timestamps. Actions held are:
• Changes to key component files.
• Start checking on a specific system device.
• Alarm management.
• Operator entry/exit to the system.
• Operator orders to open bar without justification

**Reports**
**All reports are shown on screen, are printed or exported to .CSV files**
The system is able to give a complete financial picture of the parking cashier register both in total and per unit (cashier register) and ticket type. All the statements ("X" & "Z" reports) are given on a Shift/ Day/ Week/ Month/ Year basis.

**Financial Reports**

The necessary data for accounting is derived from the collection of all sales records. These can come from various devices such as automatic and manual cash registers, exits, etc.
The resulting printout will contain the sales, the relevant VAT, which device it came from and the total turnover of all devices (on a daily, weekly, monthly and yearly basis).

**Management of system reports**

This subsystem produces reports in the form of tables and graphs.
Its function includes references such as:
• Fullness of each station
• Residence times
• Turnover/Movement
• Total movement turnover
• Total events
• Diary
• Electronic Calendar of Receipts

**Statistical reports:**

• Fullness of the station per hour of operation,
• Number of car entries and exits,
• Number of car entries and exits with manual opening of the barrier,
• Financial data such as payments by type of ticket and resident cards,
• Use of invalid cards, etc.

**Central cashier (Manual Cashier terminal)**
The central WEB PARK Cloud Portal System provides the possibility of manual checkout.
The Manual Cashier terminal that operates the manual cash register is connected via a 10/100 MBit Ethernet LAN network card, has a 19" LED touch colour LCD screen (optional), keyboard and mouse, Windows 10 Pro operating system.

Motorized Magnetic Ticket Encoder -Barcode Ticket Reader Unit: This unit is used for the reading of tickets for manual payments at the central cashier and prints a Receipt.

From the same unit, tickets are issued in cases of lost/damaged tickets, for the issuing of prepaid tickets (coupons) of value or time, or the production of value cards for payments. Accepts ticket package (5,000 pcs)
60mm Receipt Printer
Central VOIP intercom unit for the intercom of entry/exit terminals and automatic Payment Terminal

**ENTRANCE - EXIT PROCEDURES**



*Customer entrance - exit procedure*

**Hourly ticket customers:**
**Entrance** to the parking, they stop their vehicle in front of the barrier, where the Loop Detectors are activated (they detect the presence of a vehicle in front of the entrance terminal), press the button on the entrance terminal and receive a magnetic strip ticket / RFID ticket (Ticket) with a barcode / QR Code and printed date and time of entry and the Car Plate Number. Automatically, The ANPR Camera automatically recognizes the car plate number and logs the details of the entry.

**Booking Server Customer**
**Entrance** to the parking, they stop their vehicle in front of the barrier, where the Loop Detectors are activated (they detect the presence of a vehicle in front of the entrance terminal), the ANPR Camera automatically recognizes the car plate number. The Customer scans the QR Code received from Booking Server at the 2D Bar Code Scanner at the entrance terminal. The system accepts the entry and opens the Barrier without issuing a ticket.

**Disabled (AMEA) Customer**
**Entrance** to the parking, they stop their vehicle in front of the barrier, where the Loop Detectors are activated (they detect the presence of a vehicle in front of the entrance terminal), the ANPR Camera automatically recognizes the car plate number. The Customer shows the RFID Card received from central cashier (Manual Cashier terminal), at the RFID Card validation at the entrance terminal. The system accepts the entry and opens the Barrier without issuing a ticket.

**Resident Customer (monthly)**
**Entrance** to the parking, they stop their vehicle in front of the barrier, where the Loop Detectors are activated (they detect the presence of a vehicle in front of the entrance terminal), the ANPR Camera automatically recognizes the car plate number. The Customer shows the RFID Card received from central cashier (Manual Cashier terminal), at the RFID Card validation at the entrance terminal. The system checks if that customer had paid the monthly fee and if it is paid, accepts the entry and opens the Barrier without issuing a ticket**.**

**Hourly Ticket (with barcode)**



**Exit procedure**

**Hourly ticket customers:**

**Before exiting the customer must go first to central cashier (Manual Cashier terminal or to Automatic Payment Terminal, pay their hourly ticket and after payment has 20 min to go to the exit terminal.**

**Exit** from the parking, they stop their vehicle in front of the barrier, where the Loop Detectors are activated (they detect the presence of a vehicle in front of the exit terminal), insert the hourly ticket to the validation slot into the exit terminal. The ANPR Camera automatically recognizes the car plate number and checks the validity of the car plate number that is stored in the system and if all specs are ok, the barrier opens.

**Booking Server Customer**

**Before exiting the customer must first check if they have exceeded the prepaid parking time. If the parking time exceeds the prepaid time, they must first pay (central cashier (Manual Cashier terminal or to Automatic Payment Terminal or Mobile Application ) the surcharge and after payment has 20 min to go to the exit terminal**
Exit from the parking, they stop their vehicle in front of the barrier, where the Loop Detectors are activated (they detect the presence of a vehicle in front of the entrance terminal), the ANPR Camera automatically recognizes the car plate number. The Customer shows the QR Code received from Booking Server at the 2D Bar Code Scanner at the exit terminal. The system checks if all specs are ok and the barrier opens.

**AMEA Customer**
 Exit from the parking, they stop their vehicle in front of the barrier, where the Loop Detectors are activated (they detect the presence of a vehicle in front of the exit terminal),  the ANPR Camera automatically recognizes the car plate number. The Customer shows the RFID Card received from central cashier (Manual Cashier terminal), at the RFID Card validation at the entrance terminal. The system checks if all specs are ok, the barrier opens.

**Resident Customer (monthly)**
Exit from the parking, they stop their vehicle in front of the barrier, where the Loop Detectors are activated (they detect the presence of a vehicle in front of the exit terminal), the ANPR Camera automatically recognizes the car plate number. The Customer shows the RFID Card received from central cashier (Manual Cashier terminal), at the RFID Card validation at the exit terminal. The system checks if that customer had paid the monthly fee and if it is paid, accepts the exit and opens the Barrier.

<div style="background:#5b9bd5;color:#fff;text-align:center;font-weight:bold;">Parking Terminals</div>

The entrance - exit terminals check the card of the resident / disabled / Hotel customer and also print/validate the tickets of Hourly Ticket customers. The customers can communicate with the cashier or Call Centre via intercom in case of a problem. It provides full control over the traffic of your customers, (e.g. does not allow exit without payment), and minimizes the system's operating time.



*Entrance – Exit Terminal*
*AUTOPARK 2020*

**Entrance Terminal**

• Manufactured from stainless steel sheet and with electrostatic painting (there is a possibility to choose a colour).

• Magnetic ticket encoder/ RFID encoder with thermal ticket printer powered by a ticket BOX of 5,000 pcs.

Industrial Processor module 64bit Built-in micro-SD card with OS, 1 x SD card slot up 128 Gb, 4GB RAM, external keyboard mouse support Ethernet 10/100Mb

• Internal Real Time Clock (sync with Server every Hour)

• Display on which functional messages are presented in two languages  Display 7" full colour graphics readable under the sun.

• Contactless (RFID) for customer card, reading distance up 1 meter adjustable.

• VOIP intercommunication with the control centre, activated with a button.

• Voice messages of your choice (e.g. Welcome to the parking lot) (optional)

• External 2DBar Code Scanner

• POS unattended terminal (Hourly ticket customers can use Credit / Debit / Prepaid Card for entrance without issued ticket) (optional)

• Internal Loop Detector

• Electronic Signs Red Green Traffic light (RED If parking is Full)

• Electronic LED Signs Display free parking lots real time.

• Protection IP54

• CE Certified

**Exit Terminal**

• Manufactured from stainless steel sheet and with electrostatic painting (there is a possibility to choose a colour).

• Motorized magnetic encoder / RFID, 2DBar Code Reader.

Industrial Processor module 64bit Built-in micro-SD card with OS, 1 x SD card slot up 128 Gb, 4GB RAM, external keyboard mouse support Ethernet 10/100Mb

• Internal Real Time Clock (sync with Server every Hour)

• Display on which functional messages are presented in two languages Display 7" full colour graphics readable under the sun.

• Contactless (RFID) for customer card, reading distance up 1 meter adjustable.

• VOIP intercommunication with the control centre is activated with a button.

• Voice messages of your choice (optional)

• POS unattended terminal (Hourly ticket customers can use Credit / Debit / Prepaid Card  for exit and pay  without issued ticket) (optional)

• Internal Loop Detector

• Protection IP54

• Operating temperature  -20 C to +60 C

• CE Certified

**Barrier**
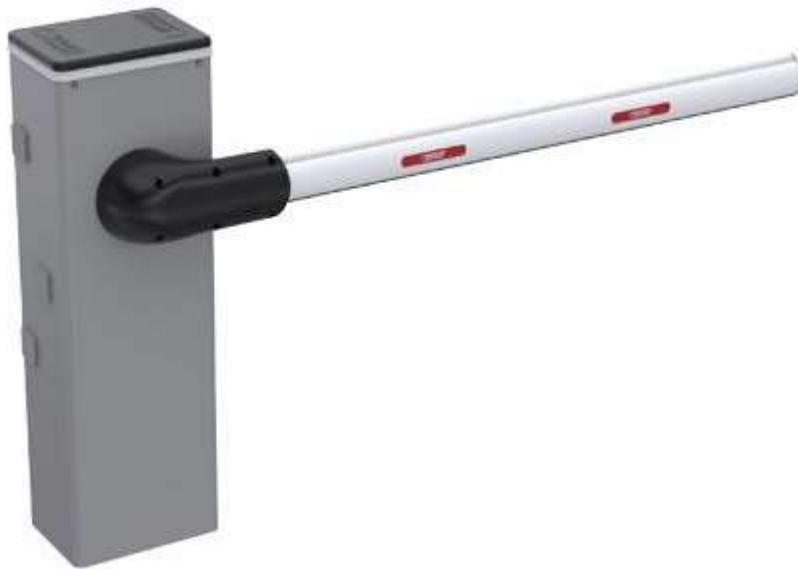


Virtualnet offers high-tech barriers of the Italian company ROGER adapted to the requirements of its Parking management system

Roger Technology automatic barriers have been designed and represent the ideal solution for all automations used in residential, condominium, commercial and industrial car parks. Highly successful, the barriers for motorway car parks, are fast and integrated with Vehicle Priority Systems.

All of the versions have been developed with a modern design and are strong with a low aesthetic impact

| | |
|---|---|
| Power Supply | 230VAC 50 Hz |
| Motor Power Supply | 0-36Vdc |
| Power Consumption | 0-15A |
| Power Motor | 450W |
| Torque | 0-200 Nm |
| Open / Close time | 1,2 to 3 Sec adjustable |
| Control System | Absolute Encoder Digital |
| USE Frequency | Continuous |
| Operating Cycles per Day | 12000 |
| Grade Of Protection | IP54 |
| Operating Temperature | -20  +55 C |
| Control Unit | AG/CTRL/P |
| Emergence Battery | BAT/KIT |
| Release System | Key with DIN Cylinder |

• CE Certified

**Automatic Car Plate Number recognition**

Automatic car plate number recognition offers speed in customer service, avoids human errors.
The ANPR has as its main function, the reading and recording the car plate number of passing vehicles from one or more entrances or exits and fully cooperates with the parking management system.
When a vehicle comes in front of the entrance barrier, it recognizes its license plate number and captures the image.



• Automatic recording of plate number
• Ease of checkout for the cashier
• The ANPR even handles illegible number plates (eg dirty) by saving the car image and printing a special unique number (EPAN) instead of the car plate number.
• Speeding up the passage of cars when entering and exiting

The license car plate recognition system uses an AXIS camera with:

Image sensor 1/2.8" progressive scan RGB CMOS
Lens Varifocal, 3–9 mm, F1.6
Horizontal field of view 114˚–37˚
Vertical field of view 58˚–21˚
Varifocal, Remote focus and zoom, P-Iris control, IR corrected
Day and night Automatically removable infrared-cut filter
Minimum illumination:
Colour: 0.07 lux, at 50 IRE F1.6 B/W: 0.01 lux, at 50 IRE F1.6 0 lux with IR illumination on
Shutter speed 1/66500 s to 2 s
ANPR engine VAXTOR LPR on Camera software
• CE Certified


**Electronic LED sign for Free Parking spaces**.

Particularly useful, as customers do not struggle to find a free parking space in a multi-level car park.
Information Electronic LED Signs display free parking spaces per parking per floor and also with wireless technology per area for municipalities.

• Communication with central system via Ethernet (network) & GPRS /3G/4G
• Loop detector vehicle count per level
• Central Electronic LED Signs with levels and number of free parking spaces

• Electronic LED Signs per level with the number of free parking spaces
• CE Certified



**Parking Validator**
Ticket reader terminal which provides FREE access for "n" hours to the parking area. It is placed in the reception of any company wanting to provide free parking access to their customers, so that when the customer comes and has a vehicle in the parking lot, it is possible for the entrance ticket to provide "n" hours of free parking access.
CE Certified



**Pedestrian Terminal**

Pedestrian terminals are installed and control pedestrian entrances to the parking area for safety reasons. These doors remain locked and a pedestrian must have a Hourly ticket or resident customer card to enter the parking area.
Upon presentation of the ticket or card the door will open and the details will be recorded in the central system.

• ABS plastic construction
• PLC processor unit, Ethernet 10/100Mb
• 2-Line LSD display displaying functional messages in two languages.
• Bar Code Reader
• Use of induction card (RFID) for customer card, lies in its remote operation making it customer friendly
• CE Certified

**Automatic Payment Terminal  Model 2500**

To reduce the workload of cashiers & allow customers to exit outside of parking hours.



• 10" Touch Screen vandal proof
• Door Lock with 5-point lock and three-key opening Lock
• Construction vandal proof, for outdoor operation
• Micro PC, INTEL 1,800MHz, 20Gb SSD disk, 2GB RAM Ethernet 10/100Mb
• Internal Real Time Clock (sync with Server every Hour)
• Power supply protection with internal UPS
• Operating temperature -20 to 60 C
• Friendly Environment for users and operators
• Operate automatically and calculate the exact price of the ticket, based on the
pricing policy of the station and update the PMS
• Information messages & Error messages to the Server
• Customer guidance per transaction step in four different predetermined languages.
• Motorized magnetic encoder ticket reader 2DBar Code Reader
• Loyalty Card Reader
• Magnetic encoder / RFID - Thermal ticket printer with Box 5,000 tickets for reissuing a lost ticket
 (optional)
• 60mm thermal receipt printer and auxiliary receipt printer
• Manipulate the stock number  of coins and banknotes kept for change dynamically

• Accepted coins: 10c, 20c, 50c, €1, €2
• Accepted Banknotes: €5, €10, €20, 50€
• Coin Smart Hopper with a capacity of 1.200 coins
• coin box with a capacity of 1,000 pcs with lock easy replacement
and transport.
• Banknotes returned as change: €5 capacity 30, €10 capacity 30, 20€ capacity 30 and 300 banknotes to support recycling units.
• Cash box for banknotes with a capacity of 1000 banknotes, easy replacement and transport, locking inside
• Detailed Cash Receipts
• Easy Change of Responsible Operator Notification Boundary Conditions, for lack/ overflow of Coins and Notes
• Easily Change Printing Paper Boundary Conditions
• Easy Change of Maximum Amount Allowed for Change
• Credit card management (Certified Pin Pad and credit card acceptor with PCI-PED security and EMV I & II)
• Ergonomic, ADA Standard s for the disabled
• Alarm System updating the centre for the opening and closing of the door of the device, for the removal, repositioning of storage parts for coins, banknotes.
• You keep updating central system and local logging of events by date and time
• VOIP Intercom
• Protection IP54
• CE Certified


**Parking Guidance**

To guide customers to available parking spaces a special sensor above each parking space is placed, which checks whether or not a car is in position. These sensors have green and red lights to be visible from afar and indicate the status of the position (green light for free and red for busy). All sensors are connected to specific administrator (server). At appropriate points within the station (intersections) special electronic signs are placed that the system with appropriate markings guide drivers in areas -corridors of free places.

**Guaranty  24 months**

The automated parking system by Virtualnet Ltd is made entirely from Greek hands and expertise. It **guarantees smooth operation for 24 months** with the possibility of unlimited coverage (maintenance contract). The quality of construction is guaranteed both by the numerous facilities and technical support services offered by the company.