

SMART PARKING SOLUTIONS



Born in 2014 Parklio is a forward-looking company focused on building products and solutions for the 21st century.

Parklio is highly specialized in smart system development with its core business being smart parking products that excel in functionalities, and have a user friendly interface that can be adopted by large markets.

Parklio assures the highest standards in the production and continues to develop innovative, high-quality products using Artificial Intelligence and Machine Learning in harmony with precisely engineered IoT hardware.



DISCOVER PARKLIO WORLD

Our flagship product Parklio Smart Parking Barrier is the first parking barrier controlled by a smartphone with digital key sharing options.

Parklio Barrier was an introductory product to demonstrate our innovative approach and emphasis on product quality. To complement our offer, we created a wide variety of unique high-quality products that bridge the gap between the needs of the parking market and sophisticated technological solutions.

From Parklio hardware parking protection to Parklio software solutions, all Parklio products are interchangeable, providing users with the best parking experience. Discover the Parklio world and find the perfect solution for you.

PARKLIO PROTECTION	4
Smart Parking Barrier	6
Smart Parking Gate	8
Smart Parking Chain	10
Smart Parking Bollard	12
PARKLIO SOLUTIONS	14
Parking Management System	16
Parklio Gateway	18
Automatic Number Plate Recognition	20
Parklio Brain	22
Parklio Connect	24
Parklio Enterprise App	26
Custom Solutions	28
Parklio API	30



PARKLIO PARKING PROTECTION

From the first product, Parklio tackled one of the most challenging problems in the urban world. With the domain of our business being contactless parking, we have decided to create the perfect solution for the much-needed industry problem.

Best smart parking products for parking space protection. Secure your parking spots with innovative and easy to use Parklio. All Parklio products are smartphone controlled.

In the age of connectivity all the information is a click away. With one press of a button, one swipe left or right, you can open new worlds or parking products in a fraction of a second.

Here at Parklio we don't just talk about the apps; we live and breathe hardware. With special care, cutting edge technology and compliance with European Quality Standards you will receive smart parking solutions of the highest quality.

SMART PARKING BARRIER

Parklio Parking Barrier is a smartphone controlled parking barrier that protects your parking space from unauthorized usage while providing reliable control and efficient parking management.

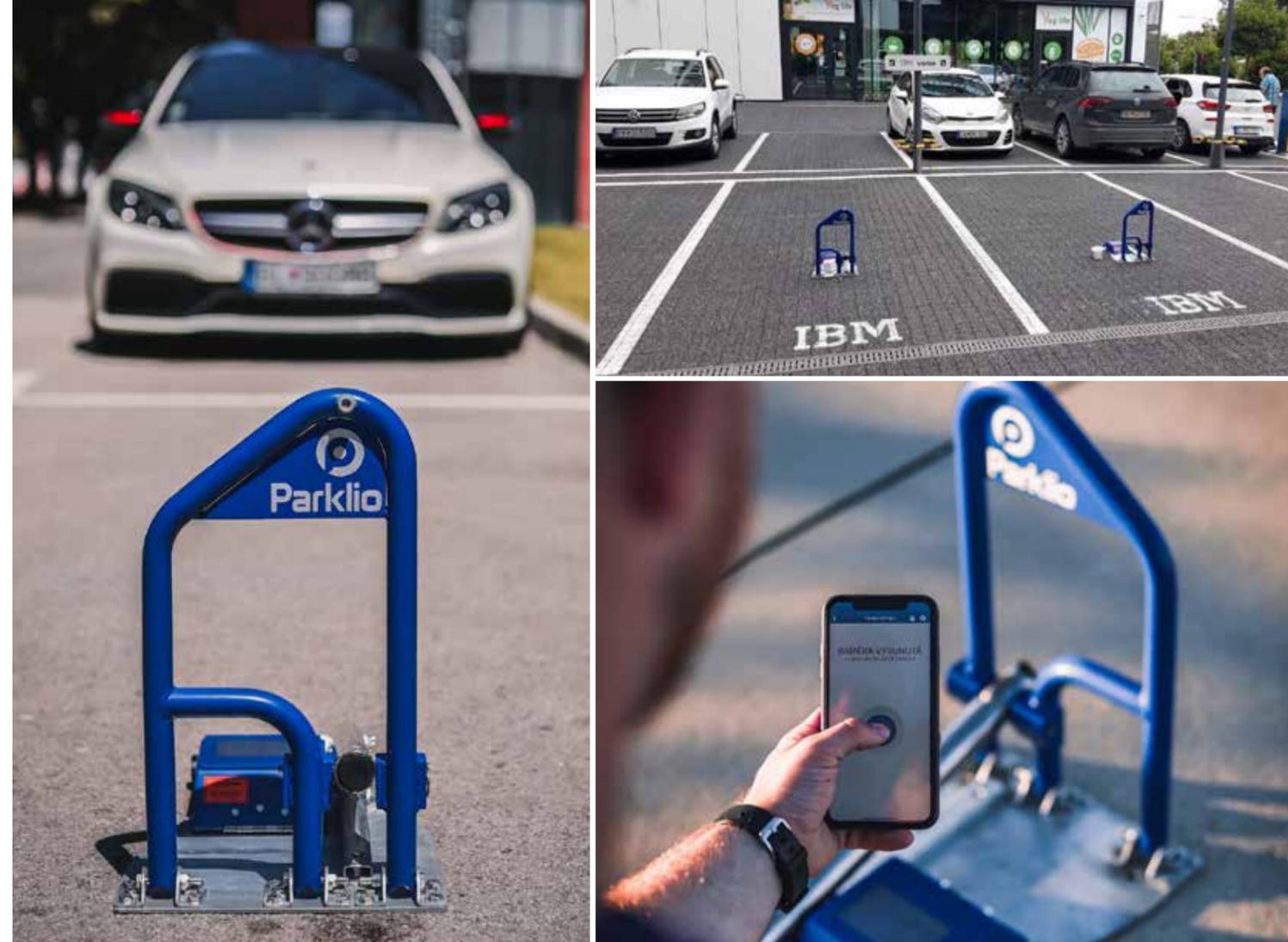
Compared to the traditional parking barriers, it offers many more innovative features and possibilities, including the automatization.

- > Smartphone controlled, operated via a free app (Android & iOS)
- > Sharing a temporary digital keys for visitors
- > Auto-close option upon departure of the vehicle
- > Dual power option
- > Modern solar panel for sustainable autonomy
- > Sturdy steel material that withstands
- > Up to 6 tons of load
- > Weather resistant
- > Vandal-proof design
- > Safety pin
- > Possible manual control
- > Dongle controlled
- > Easy and simple installation with the supplied fixings
- > Customization
- > Possibility of integration with other systems

Opening time	4 s
Height of open arch	51.7 cm
Width	33.1 cm
Lenght	91.8 cm
Weight	15 kg
Package size	59 x 40 x 16 cm
Temperature	-20 °C to + 60 °C
Humidity	5% to 90%
Altitude	up to 2000m



Check installation video:



Accessories



Safety pin



Dongle



Double capacity battery



Constant power supply module



Security post

AUTOMATIC GATE BARRIER

Parklio smart parking boom gate barrier is an automatic barrier controlled via smartphone used for guarding parking facilities, entrances to restricted areas, manufacturer floors, checkpoints, or any other kind of exit/entry points, controlling traffic in both directions.

With a modern look, robust and protective barrier - Parklio Gate - is designed to be resistant to all weather conditions. This smart rising arm gate offers long-term reliability, efficient operation and durability. A wide range of arm lengths makes Parklio Gate applicable to any type of space where there is a need for regulation. Parklio Gate is a perfect solution for controlling the entrance and exit from public and private areas, from small to big parking facilities.

- > Smartphone controlled, operated via a free app (Android & iOS)
- > Accurate and safe operation with encoder
- > Automatic
- > Weather-resistant
- > Smooth and efficient operation
- > Digital keys sharing option
- > Dongle controlled
- > Obstacle detection
- > Auto-close option upon departure of the vehicle
- > Automatic learning of end-stop positions of the barrier in opening and closing
- > Secure operation with safety devices
- > Possibility of integration with other systems

Arm length	3 – 6 m
Power supply	230 V – 50 Hz
Motor power supply	24 Vdc
Motor maximum power	240 W / 300 W
Opening time	3 – 5 s (depending on arm length)
Duty cycle	80% (200 cycles/hour)
Protection degree	44 IP
Weight	40 – 55 kg (depending on arm length)



Accessories



End support post



Pillar for photocells



Joint for arm



2m barrier arm skirt



Reflective stripes



Lights kit



Backup battery



Magnetic loop detector



Cover with integrated flashing lights



Dongle

AUTOMATIC CHAIN BARRIER

Parklio Chain is the automatic chain barrier/bollard controlled via smartphone.

Our smart parking chain is an ideal solution for protecting wider entrances and areas. It can cover access points up to 20 meters wide.

The design of the Parklio Chain integrates with most architectural contexts. It is created to provide users with a reliable parking protection and to help them become in charge of their wide parking areas.

- > Smartphone controlled, operated via free app (Android & iOS)
- > Sharing temporary digital keys for visitors
- > Auto-close option upon departure of the vehicle
- > Up to 20 m passage width
- > Guaranteed safety, obstacle detection
- > High usage factor
- > Option for battery backup
- > Dongle controlled
- > Weather resistant
- > Possibility of integration with other systems

Power supply	(Vac/Hz) 230/50
Power consumed	(W) 170
Absorbed current	(A) 5,5
Motor voltage	(Vdc) 24
Opening time (s)	10
Lock	Yes
Limit switches	No
Encoder	Yes
Duty cycle	Intensive use
Protection level	IP54
Operating temperature	(°C) -20/60
Motor weight (kg)	46
Packaging dimensions (cm)	25X22X108
Chain maximum length (m)	20
Length of the chain (m)	4, 6, 8, 10, 12, 14, 16, 18, 20
Relative height in the middle (cm)	75, 70, 65, 60, 55, 50, 45, 40, 35



Accessories



Flashing lamp



Dongle



PARKING BOLLARD

This high-quality hydraulic security bollard will guarantee the safety and it represents an ideal solution for entrance with high-security requirements.

With an intensive operative cycle, Parklio Bollard is designed to withstand high car flows thus economically and efficiently securing parking places in just a few seconds. The hydraulic movement of this security bollard is the most reliable technology for extremely intense use at all temperatures and weather conditions. Operated via smartphone this bollard has a rise and fall time of just 6-7 seconds.

- > Smartphone controlled, operated via a free app (Android & iOS)
- > Intensive use
- > Hydraulic motorization
- > Made with a special motor to be faster and more durable in time
- > Designed for continuous use with 100% duty rating
- > Possibility of integration with other systems
- > Auto-close option upon departure of the vehicle
- > Additional LED lights safety system
- > Dongle controlled
- > Option for battery backup
- > Weather resistant
- > Possibility of integration with other systems

Power supply	230 VAC
Absorbed power	250 W
Engine RPM	1400 RPM
Condenser	12.5 µF
Environmental conditions	-20/+55° C
Led power supply	24 Vac
Degree of protection	IP66
Bollard stroke	450 mm
Average absorption	1A
Opening/closing time	7 s
Foundation pipe weight	35 kg
Inside pipe weight	45 kg





PARKLIO SOLUTIONS

Our scalable innovative parking system makes it easy for you to choose the optimal products that would resolve your problems or optimize and transform your business operations.

Want to generate revenue through your parking?
Want to achieve full parking automation?
Want to control and manage your systems, even remotely?

Parklio brings all this to the table with its cutting-edge parking solutions.

The perfect parking solution is the one that enables complete reliability and security, full automation and 100% optimization of parking spaces.

Besides the technology that we bring, we also provide our clients with the data analytics and algorithms, enabling them to make even better future decisions and experience the best parking solution.

Parklio products are complementary to almost every smart system in the areas of mobility, security, and access control. Discover our unique, high-tech solutions for your parking!

PARKLIO PARKING MANAGEMENT SYSTEM

Parklio™ Parking Management System (PMS) enables a reliable control and simple management of Parklio™ smart parking products through a user-friendly interface.

Parklio™ PMS provides a real-time information about product state, product position, parking lot occupation and many more.

Within Parklio™ management system, parking administrators will be provided with analytics that will add value to their business (customer behavior, number of parking vehicles, average parking time, payment records, sales records, daily reports, monthly reports...). Through Parklio™ PMS, parking owners or administrators can manage the following:

- › Raise and lower the product remotely
- › Send digital keys to allow access
- › Block any access key if needed
- › Edit products' features
- › Categorize parking lot according to their wishes and business needs



PARKLIO GATEWAY

Placed in the middle of the Parklio™ universe, Parklio™ Gateway enables remote control of the Parklio™ products.

It serves as a bridge between the Parklio™ products and the end-user. Besides coordinating and managing all the data communication between the products, Parklio™ Gateway provides real-time parking occupancy information.

It is ideal for the car parks with a larger number of parking spaces and a constant flow of users or anybody who wants to have a remote control of their products. There will be no need that your clients control the products. Someone or you who is in charge will be able to do it remotely without any employee at the site.

- > Real-time information
- > Distance control
- > Easy and convenient to install
- > Controls up to 20 products
- > The diameter of up to 100 m

Height	220 mm
Width	220 mm
Length	50 mm
Weight	750 g
Range	50 m in open space



AUTOMATIC NUMBER PLATE RECOGNITION

Parklio™ Automatic Number Plate Recognition (ANPR) camera captures vehicle images and recognizes license plate numbers on moving vehicles in any type of external conditions.

Parklio™ ANPR system enables automatic detection of vehicle licenses and ensures automatic access for authorized users. It is a highly reliable and accurate system capable of reading vehicle license plates without human intervention.

- > Managed through a smartphone
- > Automatic detection of vehicle licenses and access control
- > ANPR accuracy rate >98%
- > High definition
- > High performances in both daylight and night conditions
- > High performances in an indoor and outdoor environment
- > High performances with fast or slow-moving traffic
- > License plate number identification from long distance
- > Waterproof design
- > User-friendly Parking management system

Lens diameter	2.8 mm to 12 mm
Resolution	1920 × 1080 @ 60fps
Image sensor	1/1.8" Progressive Scan CMOS
WDR	120dB
Package size	39×16×16 cm
Smartphone controled	Yes
Remote control	via Parklio™ Gateway and Parklio™ PMS



PARKLIO BRAIN

Parklio™ Brain is a universal electronic module that will turn any existing products into a smart one.

Parklio™ Brain enables control of the existing parking solutions with a smartphone. By integrating the module it will be possible to benefit from all the advantages of smart Parklio™ solutions - control via a free smartphone App, key sharing options, real-time information, user-friendly management and the possibility of integration with any other systems.

With Parklio™ Brain automatic and reliable access control is possible on all existing facilities. This assistive technology solution makes the users is a few seconds away from any piece of digital information. From parking product status to occupancy information, it is all there in an instant.

Our brain makes products smartphone-controlled with a key sharing option. All the smart parking options offered by Parklio™ can now be integrated with your existing parking products.

- > Smart universal module that can fit all the outdated parking products
- > Automatic and reliable access control of the existing parking facilities
- > Smartphone controlled, operated via a free app (Android & iOS)
- > Dongle controlled
- > Sharing a temporary digital keys for visitors
- > Easy and simple implementation
- > 50 meters range in the open space

Input Voltage	8 VDC ~ 32 VDC
Working temperature range	-20 °C ~ +60 °C
Working humidity	Up to 90% RH
Operating altitude	1000 m
Dimensions	88.6 mm x 69 mm x 31.25 mm (H x W x D)
Wireless Connectivity	BLE
Over-the-Air upgrades	Yes
Antenna interface	External 2.4GHz antenna with SMA connector



PARKLIO CONNECT

With Parklio Connect users are one click away from controlling their Parklio products.

Parking can be touch-free and the users can manage their parking from the comfort of their car.

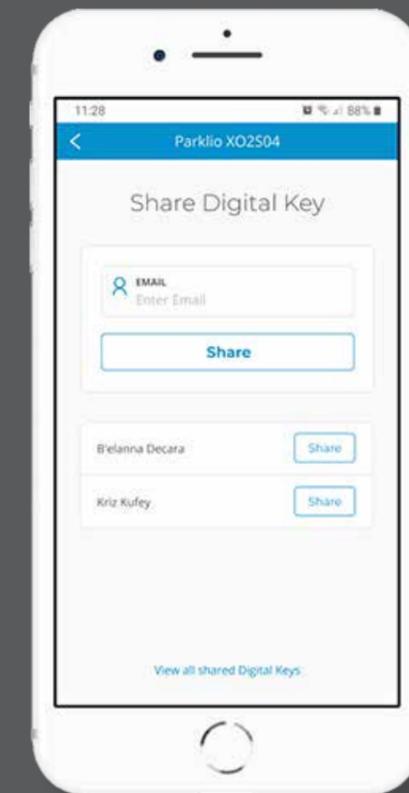
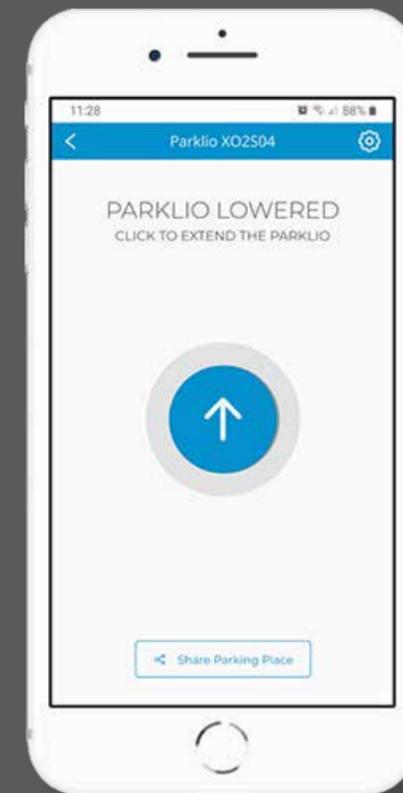
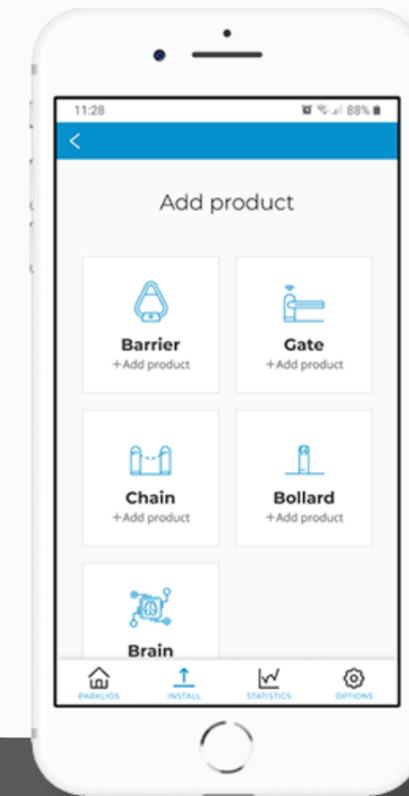
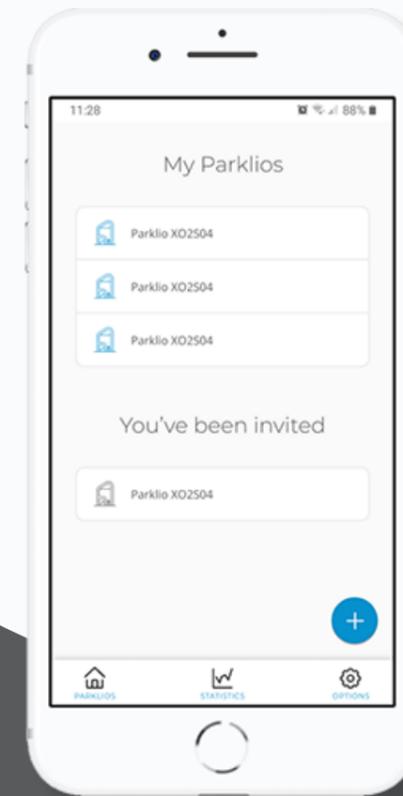
Protect your parking and share it with others via Parklio Connect App!

Download Parklio APP FREE of charge:

Android



iOS



PARKLIO ENTERPRISE

Parklio™ Enterprise is a white label mobile application which enables real time parking place reservation on parking lots equipped with Parklio™ products and solutions.

Parklio™ Enterprise is a holistic solution that provides detailed and reliable information on occupancy, availability, prices, statistics, and real-time information.

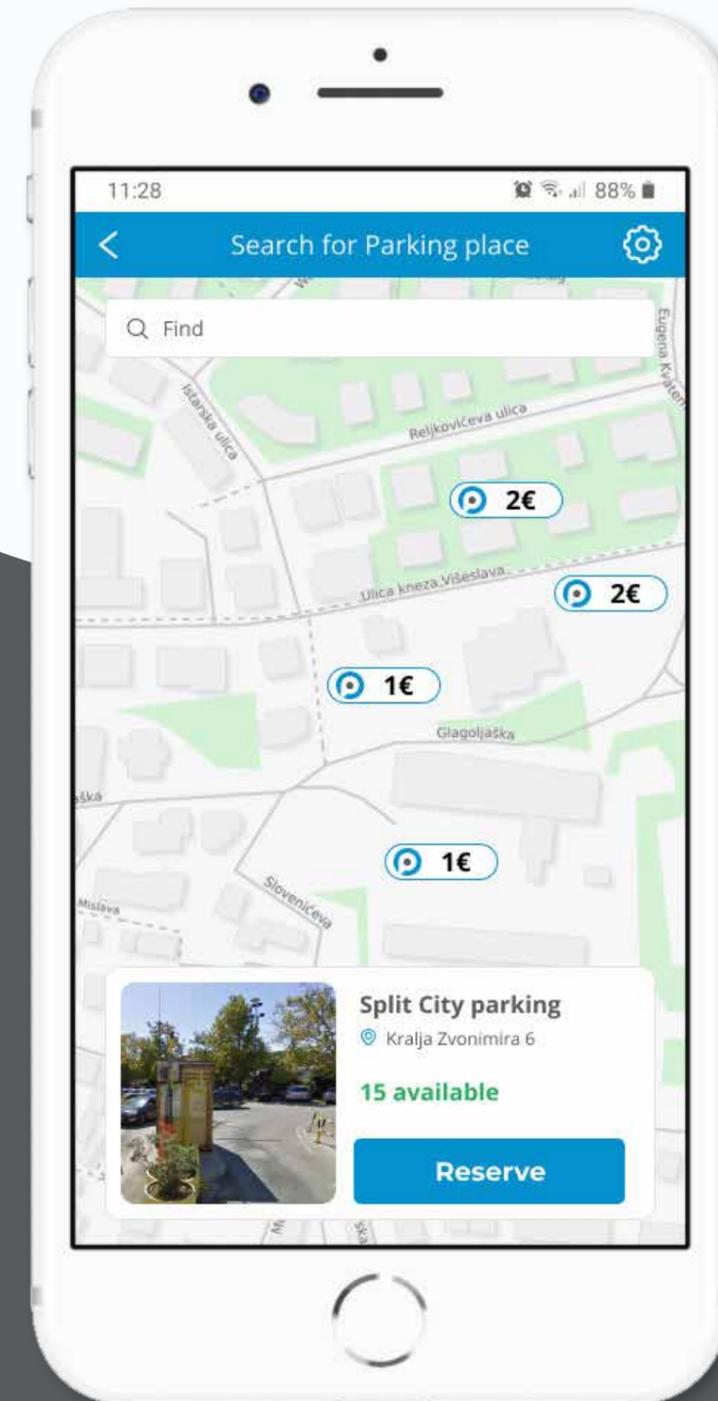
The application was rigorously tested and has undergone numerous development iterations to provide the best user experience with an extremely wide pallet of functionalities with simple UI thus being applicable to wide range of market segments.

The application itself offers various options and functionalities – from parking booking, managing parking payments, parking space reservations, analytics and management platform, navigation to the parking.

Parklio™ Enterprise is connected with Parklio™ Management System and gives profound insight in the parking analytics. With our setup tools, it takes just a few hours to set up parking lots, zones, and all additional options (Adroid & iOS).

Parklio™ enterprise mobile app features

- › Real-time parking information on parking status, occupancy, and availability
- › Online activation of a parking sessions at any time
- › Branding of all mobile app elements (white label app)
- › Adding the features based on the needs (tailor-made)
- › Flexibility in terms of payment conditions (pay-by-phone, seamless payment, subscriptions, frictionless parking, various cashless alternatives)
- › Automatization of parking reservation process (from booking to parking)
- › Compatibility with other platforms (API system)
- › Geo-location and navigation to improve traffic flow and customer satisfaction
- › Strong back end system for application management (dynamic pricing, tariff definition, zone definition, etc.)
- › Valuable insight into consumer behavior and parking statistics allowing improvement of business practices
- › Security of the data
- › Consumer convenience (reliable system of reservation, user-friendly options, speeding up entering and leaving parking, adapting to the user needs, building customer engagement and loyalty)



CUSTOM SOLUTIONS

Since we are a manufacturer of both software and hardware we can adjust to the specific requirements and develop a solution tailor-made for your needs.

We want to provide our clients with a unique and affordable experience that will offer the best parking solution accompanied by their personal touch and personalized requirements in both hardware and software.

Whether you want to add a new button, your company colors, and logo, new cool options for a special event, custom application, or custom product we will provide you with a solution designed to your wishes.

From hardware to software, we design and adjust our smart parking products to fit the individual needs of our clients.

Our first-class tech team is always ready to surpass their own possibilities and bring the project to the market. From private, residential projects to big retail, cities, business parking facilities, we design and build the best tailor-made solutions.

Need specially customized hardware equipment or special software to control your smart system?

Contact us with your idea and we will create it.



PARKLIO API

It is clear that for most people, nothing is more valuable than their time.

Parklio™ API, in an addition to the Parklio™ products, speeds up finding and securing of the parking place and removes all the parking concerns like – location. Parklio™ API provides reliable real-time parking information.

- › Seamless integration
- › Real-time information
- › Carefree parking
- › Parking optimization
- › Reliable control
- › User-friendly PMS
- › Highly customizable
- › Parking analytics
- › Revenue generation

Check Parklio API documentation:

API



WS



Parklio was made with a vision to make parking easy and reliable, we hope that you will be part of our vision and enjoy all Parklio functionalities.

Find your perfect Parklio solution

www.parklio.com

Become a partner

Become a Parklio™ Business Partner and let's work together on bringing the best parking solutions on the market:

info@parklio.com

+385 97 7247 276

