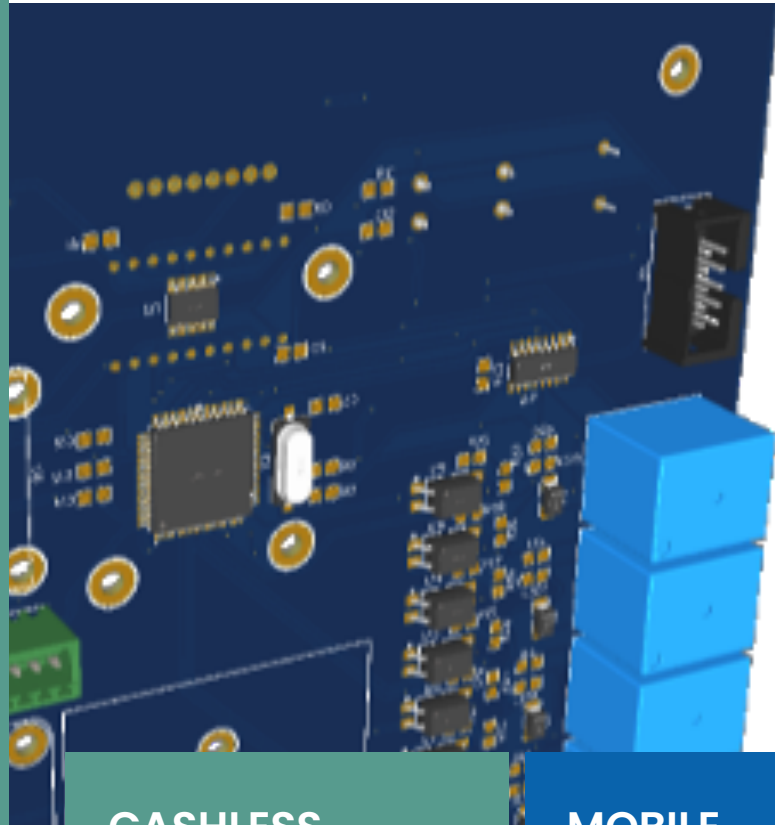


## OPENPARK TECHNOLOGIES

### *Parking Central and Zone controllers*



#### CASHLESS

Hustle free entry and exit, no congestions, no cash problems, no consumables, e-bill is sent as SMS or Push notification to OpenPark mobile app

#### MOBILE

NOpenPark mobile app can allow seamless access without cards or tickets through cloud access control.

#### FACILITY TYPES



##### Commercial

IOT Access controllers can control access and guarantee revenues collection efficiently



##### Private

Can keep your privacy while offering seamless access



##### Building access

Can offer seamless access to building parking, elevator and main gates



##### Ticketing

Real time access granting after server confirmation

#### TRANSPARENCY

Facility managers and operators and other stakeholders are all sharing the same platform. Real time access reporting and access list update through TCP/IP interface..

#### IOT COMPLIANT

All OpenPark smart devices can communicate directly through MQTT protocol to any industry standard IOT platform or City Operation Center

### Here is the reason why **WHY CHOOSE US**



OpenPark solution is developed from the ground up for modern smart city architecture taking in consideration the latest technologies for seamless mobility integration



# CENTRAL AND ZONE CONTROLLER

OpenPark central, node and zone controllers with our standard IOT support for MQTT protocol

## MAIN FEATURES

- Central controller is mainly used as Ethernet gateway for the parking guidance serial bus
- It can communicate with CAN bus over distance up to 300 meters to zone controllers
- Zone controllers forward and receive data from the sensors through RS-485 bus
- Remote monitoring and control by operator through the iPark software
- Online and offline operation
- Server synchronisation through TCP/IP
- Communication interfaces: Ethernet port
- Internal web server for configuration and settings

## SPECIFICATIONS

- ARM high performance CPU
- TCP/IP Ethernet interface for central controller
- CAN bus/RS-485 for zone controller
- Software support for iPark Parking Guidance management system
- Software support for any third party IOT platform through MQTT protocol.
- Daisy chain connection over CAN bus for communication between central controller and all related zone controllers
- Each zone controller has 2 RS-485 bus lines for convenient site installations with up to 25 to 30 sensors per line
- Each zone controller can send power and serial bus connection through standard UTP cables to all sensors in the line
- IP66 outdoor protected housing
- Power Supply: 220v AC/DC24V/4A included
- **Standard compliance**
- CE compliance, FCC, RoHS, UL 94
- EN 61010-1, EN 55011,
- EN61000-4-2,-3,-5,-11
- EN 61000-6-1,-2,-3,-4
- IEC 60664, VDE 0110



## ORDER INFORMATION

- [PGS-IPARK] iPark Parking Guidance Server Software
- [OP-CC1] Central controller Ethernet interface to CAN bus
- [PGS-ZC1] Zone controller CAN bus to RS-485 for 2 sensor lines

## CONTACTS

### OpenPark Technologies Kft

**HQ:** Szechenyi Istvan ter 7-8. 1051  
Budapest  
Tel: +3618001909, +36702175650

**Factory:** Finn utca 2, 7630 ,Pécs,  
Hungary