



# CirPark

SOLUTIONS FOR  
EFFICIENT PARKING

Product Catalogue 2023

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Guidance System

Counting System

Find Your Car

## LEDPark 32

Regulated LED lighting

Energy Efficiency

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EV Chargers

DLM

Park & Charge

PMS Integrations

CPMS Integrations



# CirPark Platform

The CirPark Platform is a comprehensive solution that effectively manages various systems from a single centralized location, offering a range of features to parking operators. With its Scada software and third-party integration capabilities, it provides a multi-platform and mobile-oriented software infrastructure.

CirPark enables vehicle counting, parking guidance systems, and a convenient “find your car” feature from iPark. It also incorporates regulated LED lighting and energy-efficient solutions from LEDPark, along with EV chargers, Park&Charge options, and integrations with Parking Management Systems and Charge Point Management Systems from EVPark. This unique platform significantly enhances parking mobility, illumination, and security while providing comprehensive e-mobility solutions.

## iPark

Intelligent Parking Guidance System including Single Space Detection and/or Area & Level Counting, Find your Car solution and Outdoor Guidance.



Guidance System



Counting System



Find Your Car



Video Surveillance

## LEDPark

Efficient and low consumption led Lighting System including Lighting Regulation and Energy Monitoring System (EMS) for Parkings.



Led Park



Energy Efficiency

## EVPark

Electric Vehicle Charging System for Indoor and Outdoor Parkings.



Electric vehicle  
chargers



OCPP



DLM



Park&Charge



Parking  
Management  
System  
integration



Charge  
Point  
Operator  
integration



# CirPark Platform

The CirPark Platform is a comprehensive solution that centrally manages various systems, benefiting parking operators. With Scada software and third-party integration, it offers a mobile-oriented infrastructure. CirPark includes vehicle counting, parking guidance, and “find your car” features. It integrates LEDPark’s LED lighting and energy-efficient solutions, as well as EVPark’s EV chargers and integrations with Parking and Charge Point Management Systems. This platform enhances parking mobility, illumination, security, and e-mobility solutions.



## LOCAL PLATFORM



CirPark Scada  
Software



**XML API**  
Application Protocol Interface  
open for integrators.

## CLOUD PLATFORM



**COSMOS**  
Cloud based Platform



**COSMOS API**  
API for integrators/operators



# CirPark Software

CirPark Dynamic Software offers a real-time management of all Efficient Parking products which are iPark (counting, indoor/outdoor guidance and vehicle localization), LEDPark (regulated lighting control and energy efficiency) and EVPark (control of electric vehicle charging equipments).



## CirPark Scada Software

CirPark Scada Software allows real-time management of all Cirpark products:

**iPark:** counting, indoor/outdoor guidance and vehicle location.

**LEDPark:** regulated lighting control and energy efficiency.

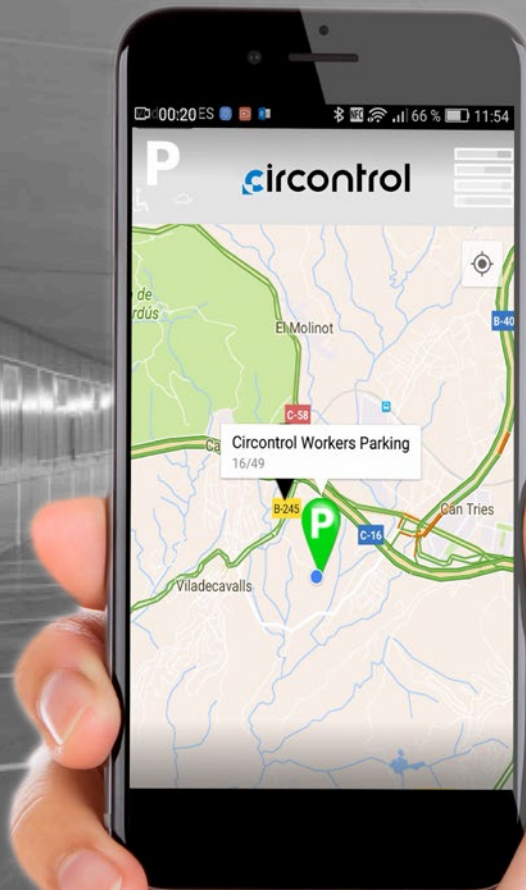
**EVPark:** control of electric vehicle charging equipments.

It allows controlling the occupation, introducing a map of the installation, and creating visualization screens of the occupancy, crossing zones, statistics, reports and logic of operation and alarms.

Multiclient and cross-platform software.

Connection via multiplatform web browser or through Windows O.S. program. Integration via XML API. Mail server and RSS. Monitoring of IP cameras. Integration and monitoring of third party system using API. License for unlimited number of parking spaces.

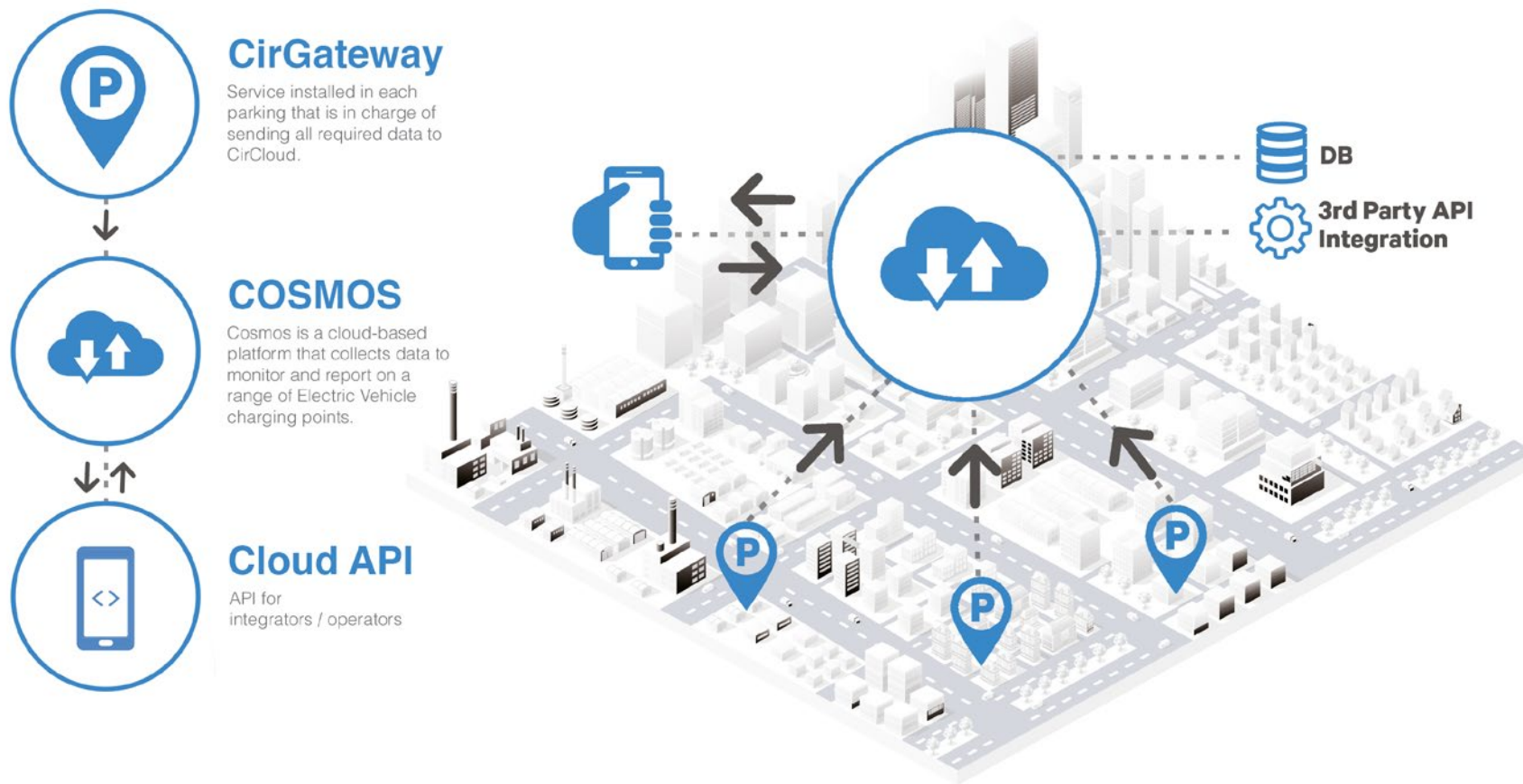




# COSMOS

Use the cosmos API to create, customize, and deploy your own mobile app.





With CirCloud Platform you can access and manage data received from all car parks that use Circontrol technology.





# iPark

iPark is one of the most impressive and long-lasting systems on the market for Guidance, Find Your Car and Counting Systems. Integrated within the CirPark Platform, it becomes a powerful management tool that optimises the traffic in car parks and provides user satisfaction, giving them the information they need, when they need it. Operators, on the other hand, have an excellent tool to gain the loyalty of their customers, optimise traffic and occupancy, and reduce maintenance and operation.





## Guidance System

Indoor/Outdoor Dynamic Guidance system that manages the user information in order to optimise the occupancy and traffic of the parking facilities. Ultimate technology sensors and panels, plug&play and long-lasting. Worldwide product range oriented.



## Find Your Car

Powerful system able to provide car-finding solutions based on License Plate Recognition within lanes or in each parking space, offering users the location and route to their own car via the user application.



## Counting System

Level & Area counting system with full range of detectors and panel display information for Indoor & Outdoor parking facilities.

# Guidance system

Optimises traffic in car parks and provides user satisfaction by giving them the information they need

## Owner Benefits

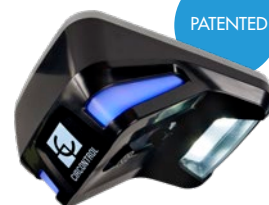
- Customer Loyalty and Car Park reputation.
- Efficient Traffic and Occupancy management.
- Operational and Maintenance Reduction costs.
- Full remote control system with auto-pilot operability.
- Completely customizable Reports, RealTime Screens and HeatMaps.
- Manage Guidance, Illumination & EVChargers from one site.

## Customer Benefits

- Less time spent on locating free parking spaces.
- Less stress and increased ease of parking.
- Easy Location of Handicapped, EVCharge & Reserved places.

## Sensors

Front-End Bay Sensor  
INDOOR



Centre Bay Sensor  
INDOOR



Camera based sensor  
INDOOR



Outdoor guidance  
OUTDOOR



## Displays

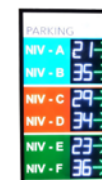
VMS Range  
INDOOR



RGB Range  
INDOOR / OUTDOOR



Panel Parking  
INDOOR/OUTDOOR





# Control

Converter  
INDOOR/ OUTDOOR



Server  
INDOOR/ OUTDOOR



License  
INDOOR/ OUTDOOR



# Accessories

Wiring  
INDOOR



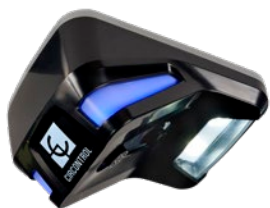
Fixing Elements  
INDOOR



# iPark / Guidance System / Sensors

## Front End Sensors

TRILOGY  
460315T



Ultrasonic Sensor RGB LED indicator and LED lighting system for the detection and indication of the occupation status and for a courtesy lighting of the parking space. High brightness RGB LED indicator Power: 24/48 Vdc. Consumption: 5 W. Communications: RS-485. It has connector for Power+Data. Extended Temperature Range -20 to 60°C. Remote Configurable Firmware. Sensing distance and brightness intensity adjustable by software. Recommended installation height between 2 and 2.75 meters. IP54 Protection.

BILOGY  
460313T



Ultrasonic Sensor and RGB LED indicator for the detection and indication of the occupancy status of the parking space. High brightness RGB LED indicator Power: 24/48 Vdc. Consumption: 1.5 W. Communications: RS-485. It has connector for Power+data. Extended Temperature Range -20 to 60°C. Remote Configurable Firmware. Sensing distance and brightness intensity adjustable by software. Recommended installation height between 2 and 2.75 meters. IP54 Protection.

## Centre of Bay Sensor+Indicator

SP3-RG  
460128

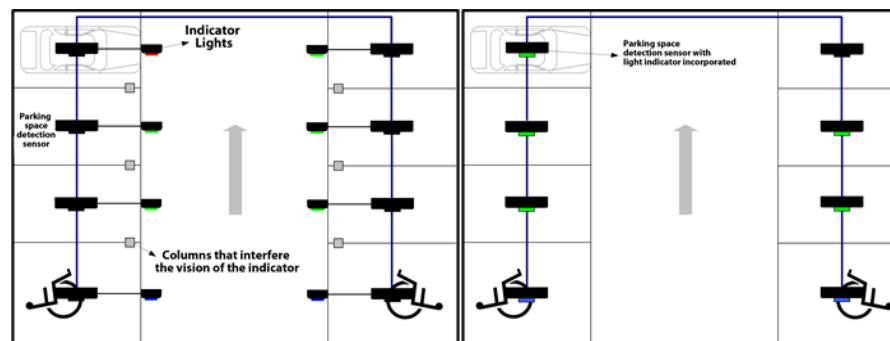
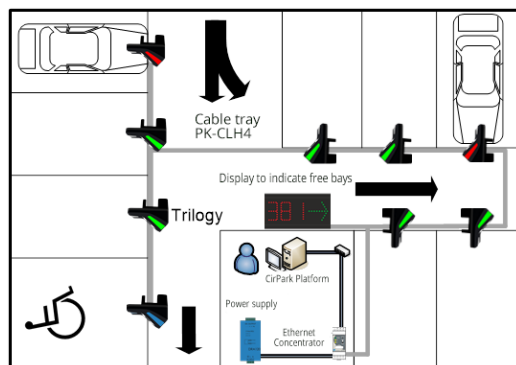


Ultrasonic sensor and Indicator light on the same equipment, for the detection and indication of occupancy status of the parking space. Power+data Connector and external light connector. Power supply: 24 Vdc. Consumption: 1.2 W. Communications: RS-485. Extended Temperature Range -10 to 50°C. Remote Configurable Firmware. Recommended installation height between 2 and 3 meters. Detection distance adjustable by software. It has Red-Green LED indicator.

SP3-RB  
460129



Ultrasonic sensor and Indicator light on the same equipment, for the detection and indication of occupancy status of the parking space. Power+data Connector and external light connector. Power supply: 24 Vdc. Consumption: 1.2 W. Communications: RS-485. Extended Temperature Range -10 to 50°C. Remote Configurable Firmware. Recommended installation height between 2 and 3 meters. Detection distance adjustable by software. It has Red-Blue indicator.



## Camera based sensor

KSENSOR  
460810



Camera-based sensor with a built-in indicator that arises from the need to integrate in a sensor device the image recognition technology thanks to the use of its two integrated cameras. Power Supply: DC 48V PoE Consumption: 5W Communications: Ethernet (RJ45) Extended Temperature Range -20 °C to +60 °C Remote configurable Firmware. Recommended Installation height between 2.2 and 2.5 meters. IP50 Protection.

KSENSOR C1  
460810C1

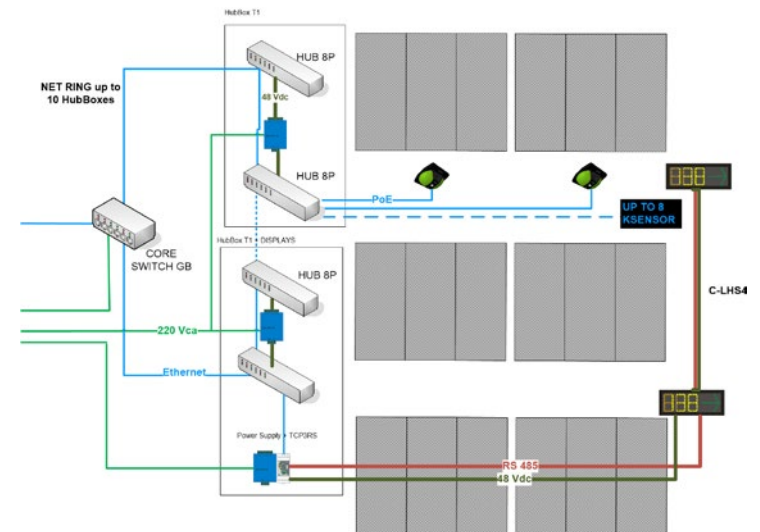
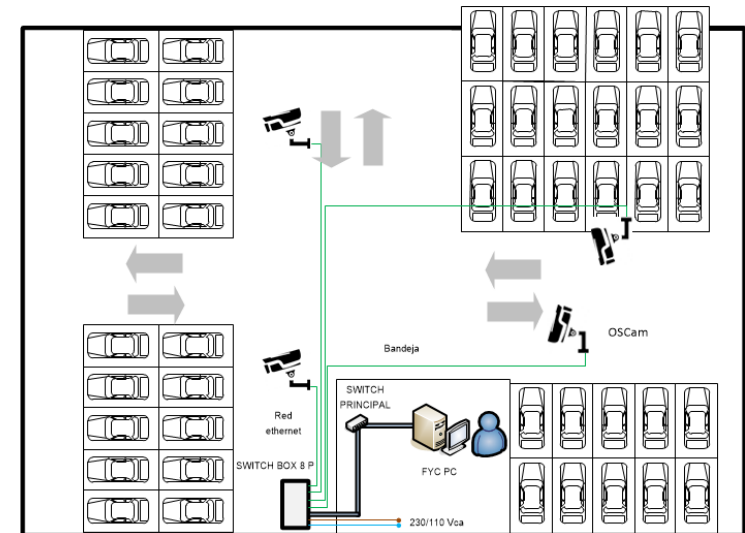


Camera-based sensor with a built-in indicator that arises from the need to integrate in a sensor device the image recognition technology thanks to the use of it one integrated camera. Power Supply: DC 48V PoE Consumption: 5W Communications: Ethernet (RJ45) Extended Temperature Range -20 °C to +60 °C Remote configurable Firmware. Recommended Installation height between 2.2 and 2.5 meters. IP50 Protection.

OSCam  
460833



Outdoor camera to detect vehicles in parking areas individually. Power Supply: DC 12V PoE Consumption: 8.5W Communications: Ethernet (RJ45) Extended Temperature Range -30 °C to +60 °C Remote configurable. Recommended Installation height: 20 meters. IP67 Protection.



# iPark / Guidance System/ Displays

## VMS Indoor/Outdoor Displays

VMS-125-8M  
460828



Indoor/Outdoor display in configuration ['P' symbol + 4 digits + Cross/Arrow]. RGB LED Matrix. Customizable Symbol by software. Text of 8 characters or scroll up to 15. Power: 24/48 Vdc. Consumption 22W. Communication: RS-485. Brightness intensity adjustable by software. Digit height 128 mm. Dimensions: 128 x 512 x 76 mm.

VMS-200-4M  
460829



Indoor/Outdoor display in configuration ['P' symbol + 2 digits + Cross/Arrow]. RGB LED Matrix. Customizable Symbol by software. Text of 4 characters or scroll up to 15. Power: 24/48 Vdc. Consumption 35W (Max.) Communication: RS-485. Brightness intensity adjustable by software. Digit height 192 mm. Dimensions: 384 x 78 x 192 mm.

## RGB Indoor Display

DX3-RGB  
460666



Indoor display in mode: [3 digits + Cross/Arrow]. RGB LEDs with 120° angle. 8 predefined digit colors. Digit height 125 mm. Right / Left and Up / Down controllable arrow. Arrow: Green/Red and Cross: Red. Indication of free places and address. Display "FULL" or "000 Arrow/Cross". Power supply: 48-24 Vdc. Maximum consumption: 18 W. Communications: RS-485. Dimensions: 404 x 165,23 x 39 mm. Stock on demand.

## RGB Outdoor Display

DX3-RGB-O  
460666-O



Outdoor display with [3 digits + Cross/Arrow]. RGB LEDs with 120° angle. 8 predefined digit colors. Digit height 125 mm. Right / Left and Up / Down controllable arrow. Arrow: Green/Red and Cross: Red. Indication of free places and address. Display "FULL" or "000 Arrow/Cross". Power supply: 110-220 Vac +/- 15%. Maximum consumption: 18 W. Communications: RS-485. Dimensions: 404 x 165,23 x 39 mm. IP54. Stock available.



# iPark / Guidance System / Outdoor Displays

## Panel Parking

Display SPACES / FULL  
460808-EN/ES/FR/  
CAT



**Display LED outdoor** Text available in 4 languages: English (SPACES/FULL), French (LIBRE/COMPLET), Spanish (LIBRE/COMPLETO) and Catalan (LLIUERE/COMPLET). LED 5mm. Colours: green/red. Digit height: 82mm. Input power: 230 V 50Hz.

Dimensions: 750 x 250 x 100mm

English 460808-EN

Spanish 460808-ES

French 460808-FR

Catalan 460808-CAT

Panel Parking 'P' with  
SPACES / FULL display  
460807-EN/ES/FR/  
CAT



**Panel Parking 'P' with OPEN/CLOSED display.**

Structured made off 2 mm aluminium plate. Folded and welded, painted in textured black epoxy. Backlight by LED. Dimensions: 1200mm x 940mm x 130mm. Available in 4 languages: English (SPACES/FULL), French (LIBRE/COMPLET), Spanish (LIBRE/COMPLETO) and Catalan (LLIUERE/COMPLET). 6mm front antivandal polycarbonate with translucent vinyl labelling. Window with display visualization and solar protection film.

English 460807-EN

Spanish 460807-ES

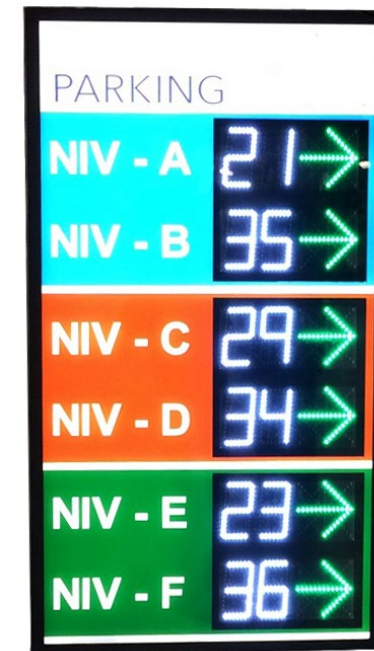
French 460807-FR

Catalan 460807-CAT

Panel Parking  
460187

**Panel with information about the capacity of the car park, per floor or overall. 2-3-4 digit displays.**

Panel with information about the capacity of the car park, per floor or overall. 2-3-4 digit displays. Advanced, Basic and Outdoor Displays. Communication: RS-485. Digit colour: RGB or Red. Brightness intensity adjustable by software.



# iPark / Guidance System / Control

## Gateways & Controllers

TCP3RS  
460803

Industrial RS-485 to TCP-IP Ethernet communication converter.  
RS-232/RS-485 opto-isolated port. Input power: 230 V AC.  
Consumption: 2 VA. DIN rail.



## Software Licenses

CirPark Scada  
610105

Car park management Scada software.  
Full version.

CirPark Scada  
Software 1000 Bays  
610105-1K

Car park management Scada software.  
Limited to 1000 parking spaces.

CirPark Scada  
Software LT  
610111

Car park management Scada software.  
Limited to parkings with no Single Bay Sensor Guidance.

OSCamLicense  
460832

License for OSCam outdoor camera.  
One license for each parking space.

OSBayLicense  
460832

License for outdoor parking spaces detected by an OSCam.  
One license for each parking space.



## Server with built-in license



Computer Equipment for CirPark systems. Standard PC. Intel Core i3 10th gen. 8GB RAM memory. 256 GB Solid-State Drive. O.S windows Win10 Pro. Customized work desktop, users, protections and language.

PK-CPU+Soft CirPark EN  
610206-EN

PK-CPU+Soft CirPark ES  
610206-ES

PK-CPU+Soft CirPark 1K EN  
610206-1K-EN

PK-CPU+Soft CirPark 1K ES  
610206-1K-ES

PK-CPU+Soft CirPark LT EN  
610206-LT-EN

PK-CPU+Soft CirPark LT ES  
610206-LT-ES

# Accessories

PK-TFT  
460204



TFT 22" Wide Screen with high resolution

PK-SWITCH 8P  
460205G

Gigabit Switch 8 ports 10/100/1000 Mbps

PK-SWITCH 16P  
460206G

Gigabit Switch 16 ports 10/100/1000 Mbps



FYC-HUB8POE  
460703



Ethernet Signal Concentrator for a maximum group of 48 parking spaces with 8 Ksensors. Includes an industrial PoE switch for the group of Ksensors.

PSC-240-24  
200520



Switched power supply. Input power: 230 V AC. Output voltage: 24 V DC. Power: 240 W. DIN rail.

PSC-240-48  
200526

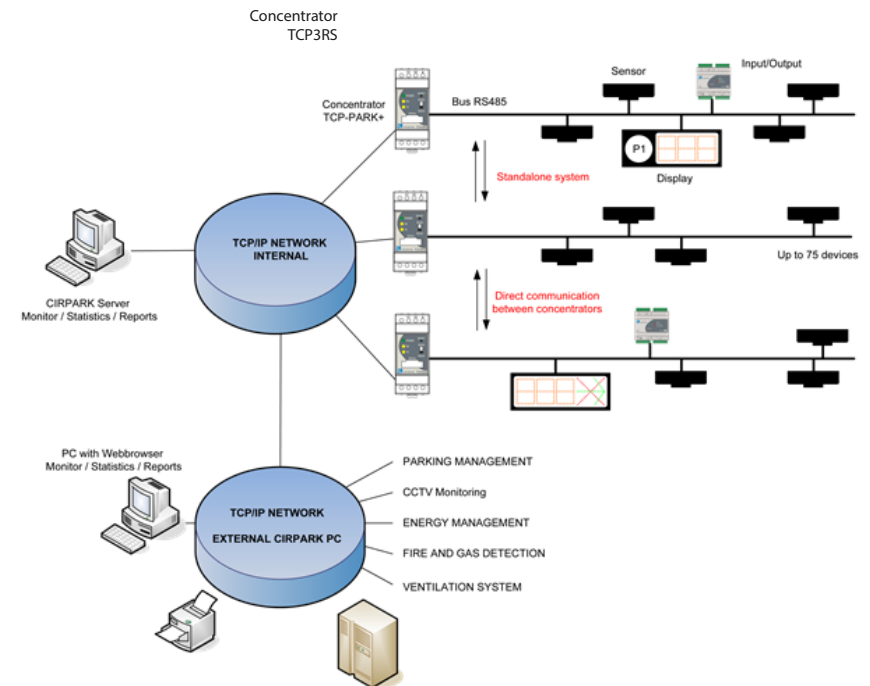
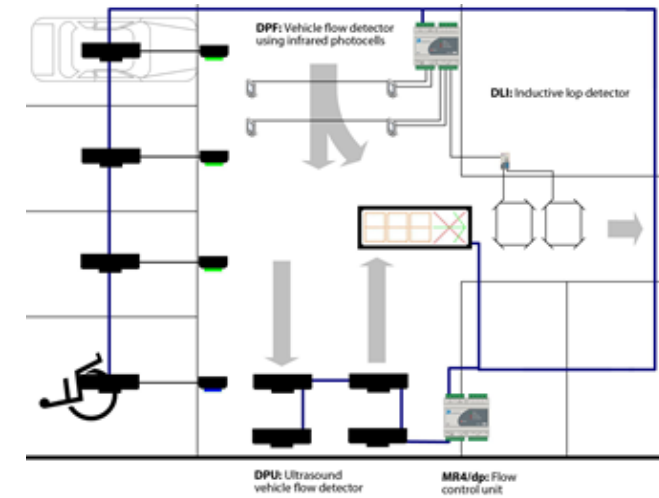


Switched power supply. Input power: 230 V AC. Output voltage: 48 V DC. Power: 240 W. DIN rail.

PSC-480-48  
460224



Switched power supply. Input power: 230 V AC. Output voltage: 48 V DC. Power: 480 W. DIN rail.

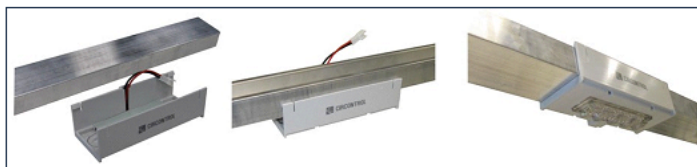
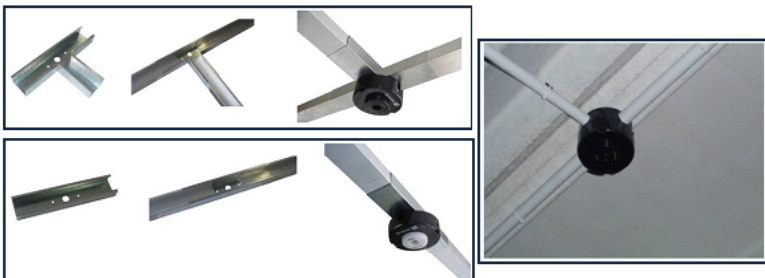


## Guidance Accesories

PK-CLIP-1K  
460161



Sturdy clip for securing the SP series sensors and indicator lights. For clamping in metal tray or pk-socket accessory. 1000 pcs bag



## Fixings

PK-SOCKET -  
KSENSOR  
460285



Polycarbonate socket for Ksensor and Ksensor C1 pipe installations. 25-mm tube for ethernet cable.

PK-SOCKET BI  
BILOGY/TRILOGY  
460287



Polycarbonate socket for Biology and Trilogy pipe installations. 25-mm tube for connecting sensors.

PK-SOCKET  
460159



Polycarbonate socket for SP3 and DPU pipe installations, 25-mm tube for connecting sensors and 20-mm tube for connecting the light indicator sensor.

PK-TPPx  
460173



Black plastic accessory for mounting the space indicator PPx.

PK-CP245  
460170



Blind aluminium tray, 48 mm wide and 2.45 m long.

PK-CP80T  
460686



Galvanised-steel accessory to cover the tray. External clip subjection. Openings to introduce the equipment cables inside the tray. 80cm long.



## Wiring

PK-CP050  
460171



Blind aluminium tray, 48 mm wide and 0.5 m long.

PK-CP50T  
460691



Galvanised-steel tray cover. External clip subsection. Openings to introduce the equipment cables inside the tray. 50cm long. Used for the Front End sensors biology or trilogy.

PK-PUC  
460176



Galvanised-steel accessory for attaching the channel to the ceiling.

PK-G  
460687



Galvanised-steel accessory in a G shape for attaching the channel to the ceiling. Holds the tray for the outside making the installation faster and easier.

PK-E  
460175



Galvanised-steel accessory for joining trays.

PK-C  
460174



Galvanised-steel accessory at a 90° angle.

PK-TSS  
460172



T-shaped galvanised-steel accessory to install the SP sensor series.

PK-ESS  
460179



Galvanised-steel accessory to install the SP sensor series. Used at the end of a tray line.

C-LHS4  
460115



3-m halogen-free hose-cable, to connect sensors of SP series, Biology or Trilogy. 2 x 1.5 mm2 power cable + 2 x 0.34 mm2 twisted and shielded cable for the RS-485 bus.

*\*Other lengths available under request*

C-SS4-T  
460152



3-m halogen-free hose-cable, to connect sensors of SP series, Biology or Trilogy. 2 x 1.5 mm2 power cable + 2 x 0.34 mm2 twisted and shielded cable for the RS-485 bus. Specially designed for installation inside a tube.

*\*Other lengths available under request*

C-LHP3  
460116



3-m halogen-free hose-cable, for the connection between SP sensor series and its own indicator. 3 x 0.75 mm2.

*\*Other lengths available under request*

C-LH4  
460117



100-m halogen-free hose-cable extending the row of devices. 2 x 1.5 mm2 power cable + 2 x 0.34 mm2 twisted and shielded cable for the RS-485 bus.

C-DD40-P  
460293



40cm halogen-free hose-cable, to connect displays internally inside Panel parking. 2 x 1.5 mm2 power cable + 2 x 0.34 mm2 twisted and shielded cable for the RS-485 bus.

Cable Cat.5e/6  
(305mts)  
230003



305-m UTP communication cable, category 5. Unshielded cable, four twisted pairs WG26.



## Counting system

Level & Area counting system with full range of detectors and information panels for Indoor & Outdoor parking facilities.

This system offers 3 different types of detection to control the access into different areas with reduced equipment and high levels of accuracy.

It includes Autonomous Control Units to automatize the counting and control of any area. This is possible with embedded CirPark Scada that makes this system smart.

### Detectors

Inductive Loop Detectors  
INDOOR/OUTDOOR



Photocell crossing-zone  
Detectors  
INDOOR/OUTDOOR



Ultrasonic crossing-zone  
Detectors  
INDOOR/OUTDOOR



### Displays

VMS Range  
INDOOR



RGB Range  
INDOOR / OUTDOOR



High Luminosity Range  
OUTDOOR



Panel Parking  
OUTDOOR



# Control

Control Unit for crossing-zone detectors  
INDOOR/ OUTDOOR



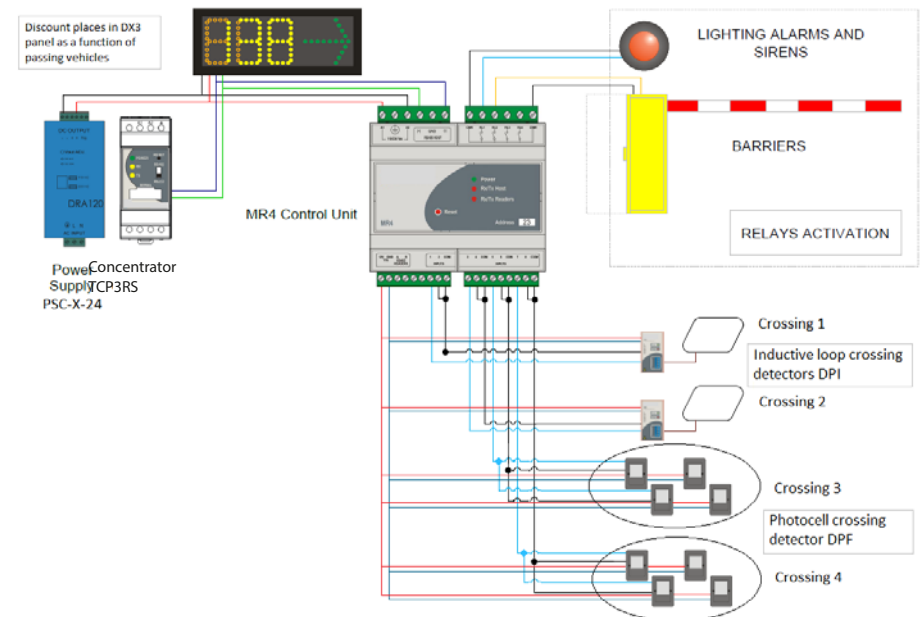
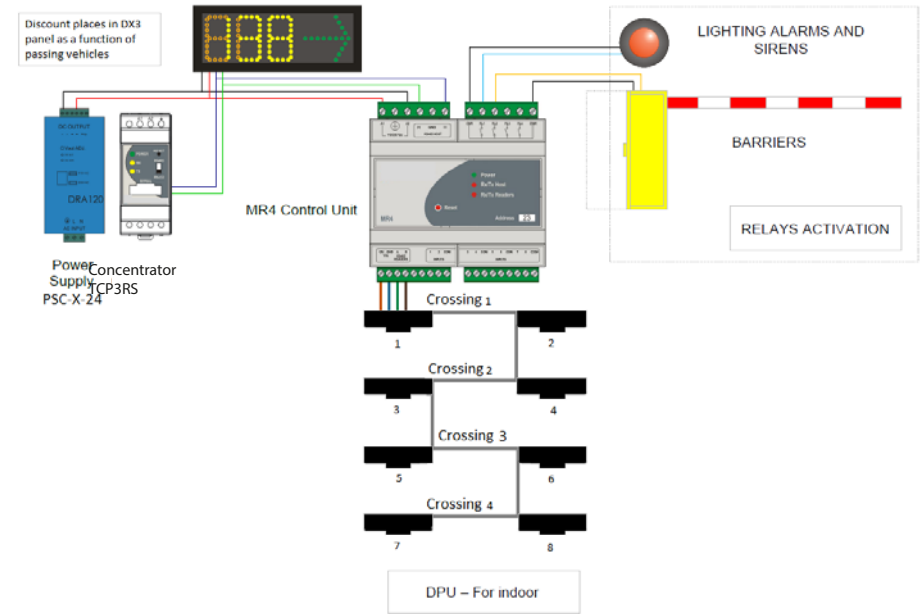
Converter  
INDOOR/ OUTDOOR



Server  
INDOOR/ OUTDOOR



License  
INDOOR/ OUTDOOR





# iPark / Counting System

## Detectors

MR4/dp-48  
460804



**Vehicle counting equipment.** Control unit for inductive loop, photocell or DPU pass detectors. Power supply: 24/48 Vdc. Consumption: 1 W + (Number of zones x 1,6 W). Communications via RS-485. 8 digital inputs for control of up to 4 pass-zones. Additional RS-485 input for control of up to 4 DPU. Incorporates 4 relay outputs for automation, depending on the occupation. Storage memory for the 4 pass-zone counters. Auxiliar output: 24 Vdc

DPF  
460114



**Vehicle flow detector using infrared photocells.** Set of two modules with two photocells each (transmitter-receiver). Input power: 24 V DC. Activation by digital input in MR4/dp.

Powered directly from MR4/dp-48.

DPU  
460133



**Ultrasound vehicle flow detector.** Set of two ultrasound sensors. 24 V DC input power. Consumption: 2 x 0.8 W. Communication: RS-485 with MR4/dp. Socket for installation in tube included.

Powered directly from MR4/dp-48.

DLI-24  
460219



**Inductive loop detector.** Input power: 24 V DC. Consumption: 1.5 VA. Control with one inductive loop. Activates a relay when a detecting a metal mass on the loop. Possibility of adjusting the sensitivity. Adjustable pulse type, during or after detection. Powered directly from MR4/dp-48.

DLI-PARK-24  
460220



**Inductive loop detector.** Input power: 24 VDC. Consumption: 1.5 VA Control of two inductive loops. Activates a relay when detecting a metal mass on the loop. Possibility of adjusting the sensitivity. Adjustable pulse type, during or after detection. Powered directly from MR4/dp-48.



# Panel Parking

Panel Parking  
460187



Panel with information about the capacity of the car park, per floor or overall. 2-3-4 digit displays. Consumption: 2.5 - 4 W per panel. Communication: RS-485. Digit colour: amber - red. Brightness intensity adjustable by software.

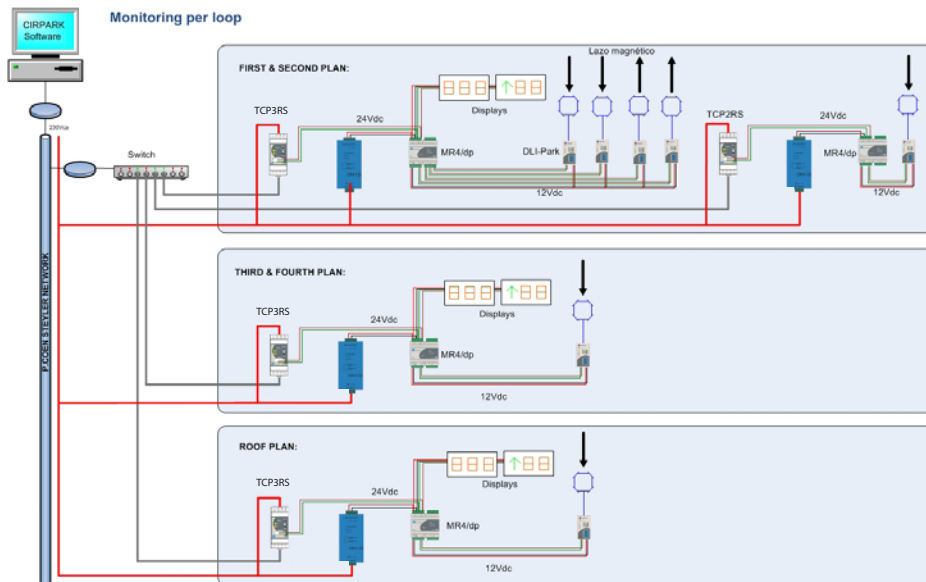
- 24/48 Vdc if TCP3RS is located outside
- 220 Vac if TCP3RS is located inside

# Control & Software

TCP3RS  
460803



Industrial RS-485 to TCP-IP Ethernet communication converter. RS-232/RS-485 opto-isolated port. Input power: 230 V AC. Consumption: 2 VA. DIN rail.





# Find Your Car

Powerful system able to provide car-finding solutions based on QR Code or License Plate Recognition within lanes or in each parking space, offering users the location and route to their own car via the user application.

## Features

**License Plate Recognition** by lane or within defined zones in small parkings to facilitate user's car location.

**Car Recognition** within each special parking space, such as EV charging spaces or reserved VIP bays.

**Combining Find Your Car with CirPark Guidance System** provides a car location service with great reliability.

## Cameras

Ksensor  
INDOOR



Lane Cameras  
INDOOR/OUTDOOR



## Terminal

Kiosk User Interface  
INDOOR



# Control

Switch POE  
INDOOR



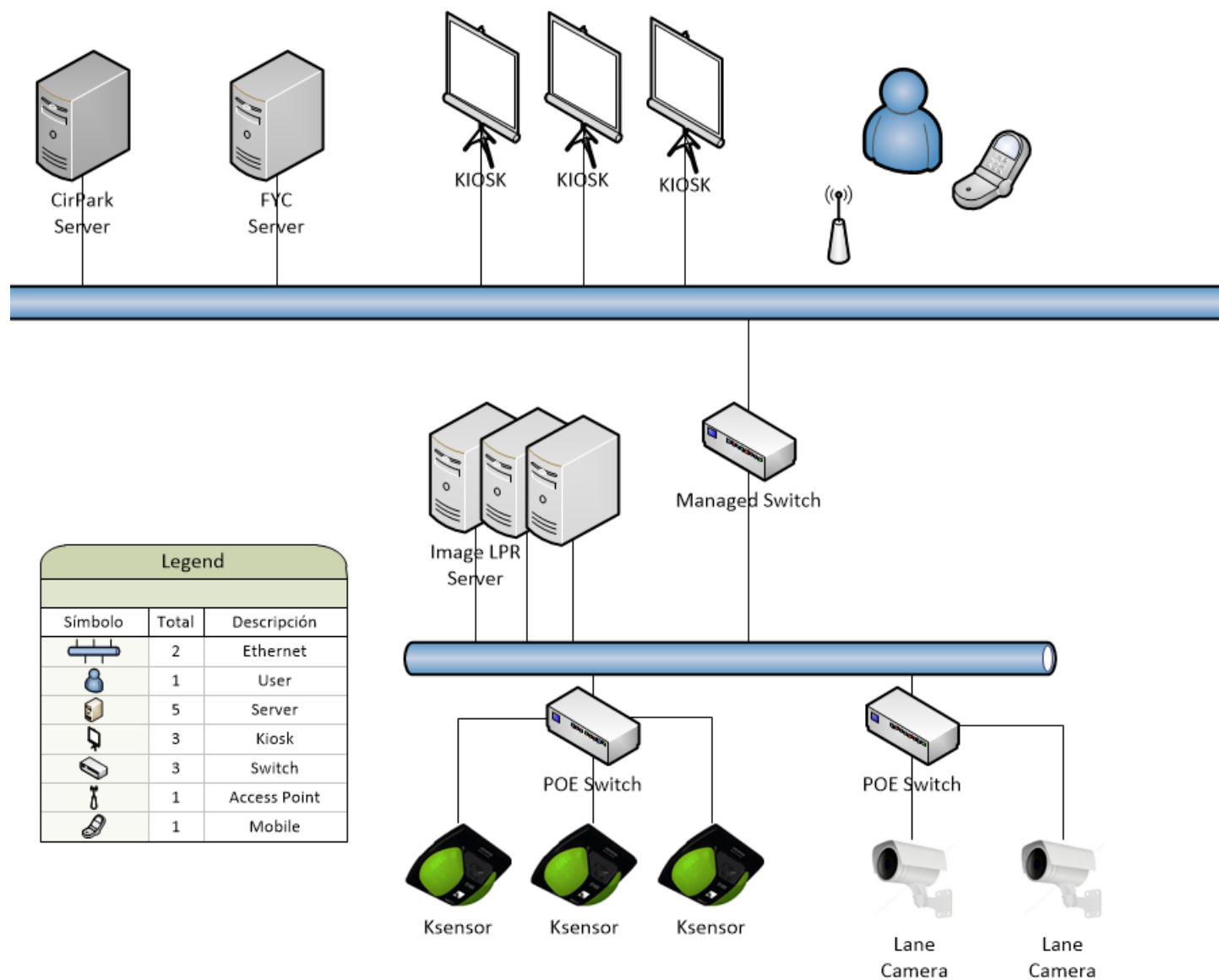
Main Gigabit Ethernet Switch  
INDOOR



Server  
INDOOR



License  
INDOOR





# iPark / Find Your Car

## Camera based sensors

Ksensor  
460810



**Camera-based** sensor with a built-in indicator that arises from the need to integrate in a sensor device the image recognition technology thanks to the use of its two integrated cameras. Power Supply: DC 48V PoE Consumption: 5W Communications: Ethernet (RJ45) Extended Temperature Range -20 °C to +60 °C Remote configurable Firmware. Recommended Installation height between 2.2 and 2.5 meters. IP50 Protection

Ksensor C1  
460810C1



**Camera-based sensor** with a built-in indicator that arises from the need to integrate in a sensor device the image recognition technology thanks to the use of its one integrated camera. Power Supply: DC 48V PoE Consumption: 5W Communications: Ethernet (RJ45) Extended Temperature Range -20 °C to +60 °C Remote configurable Firmware. Recommended Installation height between 2.2 and 2.5 meters. IP50 Protection

FYC-LANECAM V  
460710V



**Bullet Camera** with autozoom 2.8-12mm and vandalproof for LPR by zone. 3MP resolution (H.264/H.265). IR cut filter with 60m range. External POE included. HD lens 1/2,9" SONY sensor CMOS low illumination. It works with FYC-FREEFLOW-1Z license.

## Terminal

FYC-KIOSK  
460722



**FYC Kiosk**, User Interface for Find Your Car system made with galvanic iron. 22" panoramic touch screen. 220Vca/100W power and Ethernet output.



## Control

FYC-HUB8POE  
460703

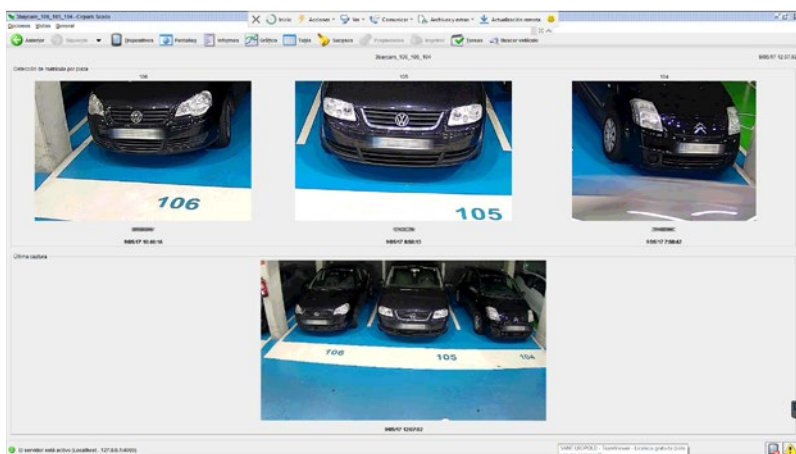


Gigabit PoE Switch with 8 PoE fast ethernet and 2 combo gigabit ports.  
Network redundancy, IP routing, QoS, VLAN support and PoE alarm.  
48Vdc Power supply with 48-55Vdc input range.  
-10 to 65°C Operating Temp Range.

FYC-SWITCH\_GIGABIT\_24P  
46020



Industrial Managed Gigabit Switch with 24 Gigabit Ethernet ports.



## Software

FYC-SERVER-DELUXE  
460790-1

High Featured Server for FYC image processing. Includes License Plate Recognition Program in FreeFlow mode. 16 cores equipment with i7 CPU or higher, 16GB RAM memory, 1TB HD and Windows 10 Pro.

FYC-SOFTWARE  
460750

Find Your Car Software that includes License Plate Recognition per zone and per parking space, interface management of the user kiosk and integration with CirPark. License Plate Recognition License valid for 1000/2000 bays.

FYC-LICENSE-LPR 1000bays  
460750-1

FYC-LICENSE-LPR 2000bays  
460750-2

Software CirPark Scada  
610105

Car park management Scada software. Real-time management of the iPark family (counting, indoor/outdoor guidance and vehicle localization), ledPark (regulated lighting control and energy efficiency) and evPark (control of electric vehicle recharging equipment). It allows the control of the occupation, to introduce the map of the installation, and create screens of visualization of the occupancy, crossing zones, statistics, reports, logic of operation and alarms. Software multiclient and cross-platform. Connection via multiplatform web browser or through Windows O.S. program. Integration via XML API. Mail server and RSS. Monitoring of IP cameras. Integration and monitoring of CO. License for unlimited number of parking spaces.



# LEDPark

Regulated LED Light system with LED technology, integrated with parking guidance and managed accordingly with real-time occupancy and pedestrian movements. Consumption reduction via Energy Efficiency management. Installation and Maintenance cost reduction thanks to its low power consumption and long-lasting equipment.



# Consumption reduction via Energy Efficiency management



## LED Park

Regulated LED Light equipment with low power consumption. Integrated into CirPark Platform for a full automatic and unattended control.

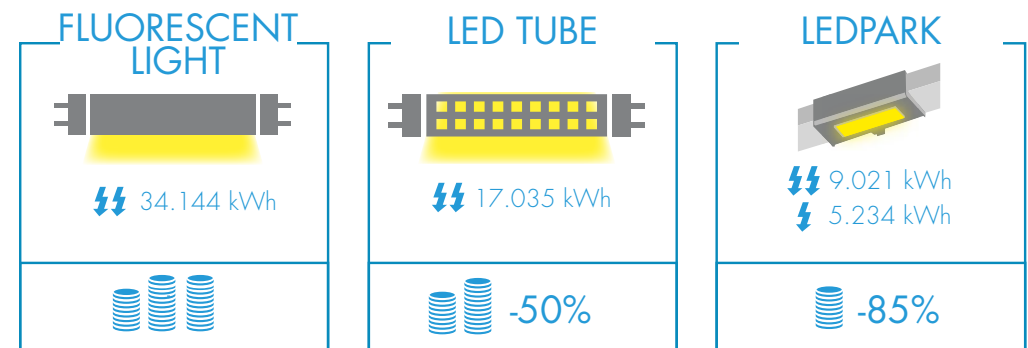


## Energy Efficiency

Consumption and Energy control with integrated management into CirPark Platform for eco-friendly LEED certification.

## Owner Benefits

Real parking data obtained by Oficial Laboratory



Less than 3 years of Return on Investment, giving high levels of illumination and reducing energy and maintenance costs.



## Lighting Modules

BL-Park-S  
460651



**LED module**, regulated, of the LED-park system. Maximum Consumption: 4W. Anchor bracket in iPark tray and built-in cooling plate. Connection via cable with connector.

DL-PARK-2  
460653



**Power Driver for LED Lighting Control**. Management Capacity 3 BL-PARK-S, with an output power of 3W per BL-PARK-S. 3 cable Input connection from Power supply 48Vdc and regulation from CL-PARK-2..

TCP3RS  
460803



**Industrial RS-485 to TCP-IP Ethernet communication converter**. RS-232/RS-485 opto-isolated port. Input power: 230 V AC. Consumption: 2 VA. DIN rail.

## Lighting Control

CL-PARK-2  
460802



**Header controller of the LEDPark**. Power control over voltage regulation 0-10V. RS485 output for control from CIRPARK Software. One module per power supply and for control of up to 30 DL-PARK series drivers.

PK-ENERGY KIT  
460188



**Car park energy management kit**. Can be used to manage and control the energy consumption of the car park. Kit made up of one CVM-MINI grid analyser + one three-phase measurement transformer. For new electrical cabinets installation.

PSC-480-48  
460603



**Switched power supply**. Input power: 230 V AC. Output voltage: 48 V DC. Power: 480 W. DIN rail.

KIT-PK-SAI-LED

460614

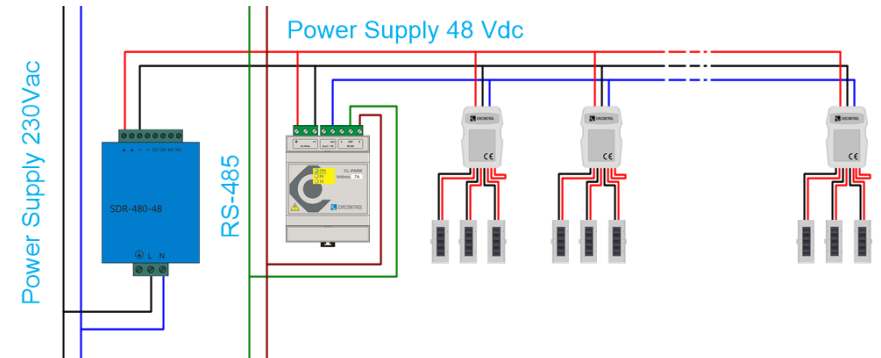


**Super Long Life UPS module** Ni-MH (nickel-metal hydride). Includes PSC-57 constant current source and switching relay. Rated output voltage: 43.2V. Constant current load. Capacity for 400W charging load, equivalent to 1 hour of uninterrupted illumination with the LEDPark system. Extended Temperature Range. It allows communication with SCADA Software for battery status awareness.

PK-CP245

460170

Blind aluminium tray, 48 mm wide and 2.45 m long.







## Lighting Accesories

PK-TSS  
460172



T-shaped galvanised-steel accessory to install the SP sensor series.

PK-T  
460609



T-shaped galvanised-steel accessory without holes, to install the bilogy or trilogy in the LEDPark system.

PK-E  
460175



Galvanised-steel accessory for joining trays.

## Lighting Wiring

CB-PARK



Wiring unit for connecting DL-PARK-2 to each BL-PARK-S 2 x 0.50 mm<sup>2</sup>, including halogen-free connectors and wiring.

CB-PARK-60  
460605

60 cm wiring unit.

CB-PARK-80  
460605A

80 cm wiring unit.

CB-PARK-150  
460606

150 cm wiring unit.

CB-PARK-210  
460613A

210 cm wiring unit.

CB-PARK-500  
460613A

500 cm wiring unit.

CB-PARK-750  
460615

750 cm wiring unit.

C-BL  
460607



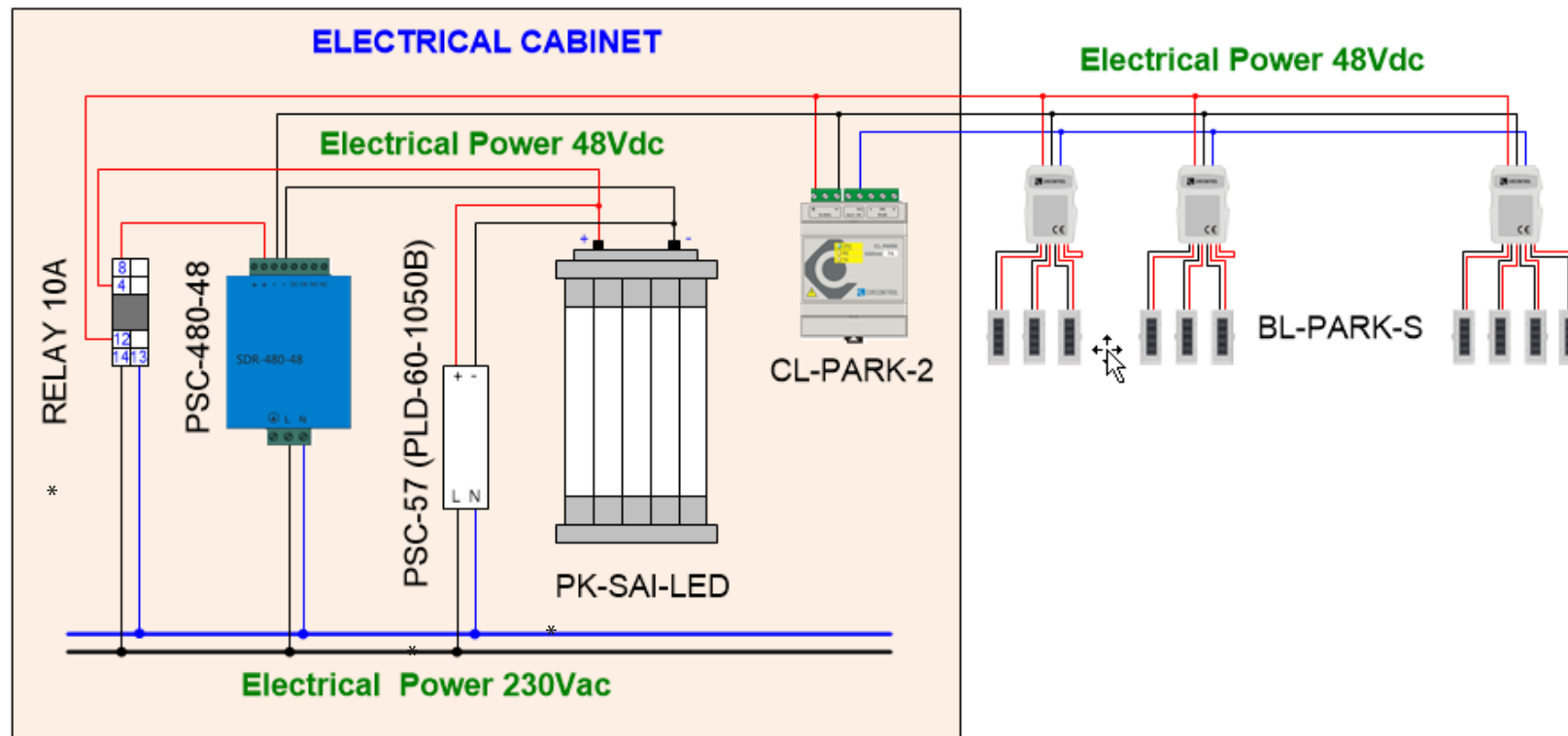
100-m Halogen-free power and control-signal wiring for the DL-PARK systems instalLED: 2 x 6 mm<sup>2</sup> + 1 x 0.34 mm<sup>2</sup> To be used from electrical cabinet until first driver.

C-LH4  
460117



100-m halogen-free hose-cable extending the row of devices. 2 x 1.5 mm<sup>2</sup> power cable + 2 x 0.34 mm<sup>2</sup> twisted and shielded cable for the RS-485 bus. To be used between drivers.

## Electric diagram LEDPark System with the kit PK SAI LED



\* Included in KIT-PK-SAI-LED



# EVPark

EVPark is Circontrol's solution for Electric Vehicle (EV) charging in indoor and outdoor parking facilities.

# Charging in indoor and outdoor parking facilities



## Electrical vehicle chargers

EVPark offers a wide range of EV chargers; wall/ground mount, slow/quick charging, and single/double socket.

For indoor/outdoor facilities.

OCPP

## OCPP

To ensure a friendly operation of the chargers by the users and a profitable business model for the parking operator, EVPark solutions use OCPP (Open Charge Point Protocol), widely extended in the Electro-Mobility business.



## DLM

The Dynamic Load Management (DLM) system can be integrated with CirPark Platform, offering the most complete solution currently available on the market. DLM system ensures that only the available power of the installation is used, thus maximising its efficiency and avoiding the high cost of its power upgrading.



## Charge Point integrated with PMS

A complete procedured solution provided to Parking Management Systems manufacturers to integrate EV Charge Points into their own payment system.



## Park&Charge

Ticketless payment system allows the user to charge an electric vehicle without the need to print any ticket. The reading and recognition of the license plate using the FYC system will be enough to allow charging the vehicle automatically.



## EV Charge Stations Indoor

Interface protocol: OCPP 1,2 1,5. Enclosure rating: IP54/IK10. Operating Temperature: -5 to +45°C. Display: Multi-language. RFID Reader: ISO/IEC14443 A/B, MIFARE classic/DESFire EV1, NFC 16,56 MHz, ISO 18092/ECMA-340

WallBox Evolve Smart S / T  
WVS0006411 (S)  
WVS0006413 (T)



Indoor EV Charger with:

- Double Type2 socket
- Single phase (S) / Three phase (T)
- 32A max load in 2 x 7,2 kW output format (S)
- 32A max load in 2 x 22 kW output format (T)
- Mode 3 Charging

WallBox Smart  
WBM-SMART-TRI  
490089



Indoor EV Charger with:

- Type2 socket
- Single phase
- 32A max load 1 x 22 kW output format
- Mode 3 Charging

WallBox Smart WB2M-SMART-TRI  
WVS00064B3



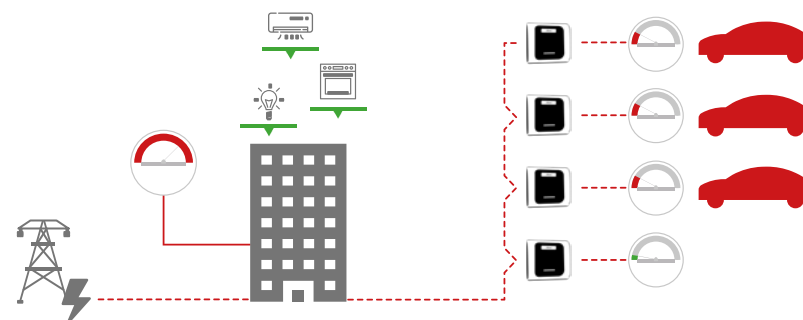
Indoor EV Charger with:

- Double Type2 sockets
- Three phase
- 32A max load 2 x 22 kW output format
- Mode 3 Charging

## DLM (Dynamic Load Management)

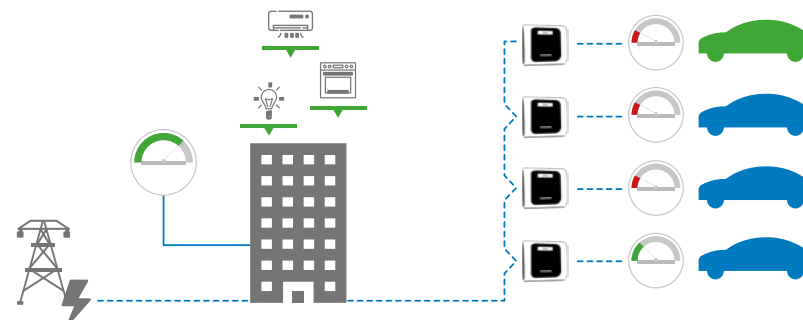
### ► WITHOUT DYNAMIC LOAD MANAGEMENT

Main Supply Overload



### ► WITH DYNAMIC LOAD MANAGEMENT

Main Supply protected





# EV Charge Stations Outdoor

Interface protocol: OCPP 1,2, 1,5. Enclosure rating: IP54/ IK10. Enclosure material: Aluminium & ABS. Enclosure door lock. Operating temperature: -5 to + 45 °C. Dimensions: 450mmx290mmx1550mm. RFID Reader: ISO/IEC14443A/B, MIFARE classic/DESFire EV1, NFC 16,56MHz, ISO 18092/ECMA-340

Post eVolve smart T  
PVS0006411

Outdoor Charge Point for Electrical Vehicles with:

- Three phase connection.
- 2 x (32A Type2) socket.

Post eVolve smart S  
PVS0006413

Outdoor Charge Point for Electrical Vehicles with:

- Single phase connection.
- 2 x (32A Type2) socket.

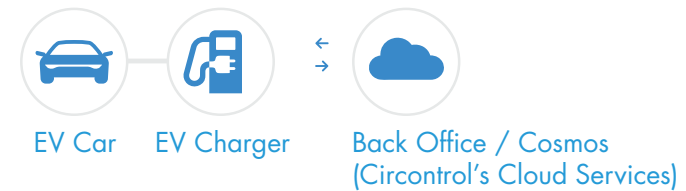
Post eVolve smart TM4  
PVS00064B3

Outdoor Charge Point for Electrical Vehicles with:

- Three phase connection.
- 2 x (32A Type2) and 2 x (16A CEE/7) sockets.

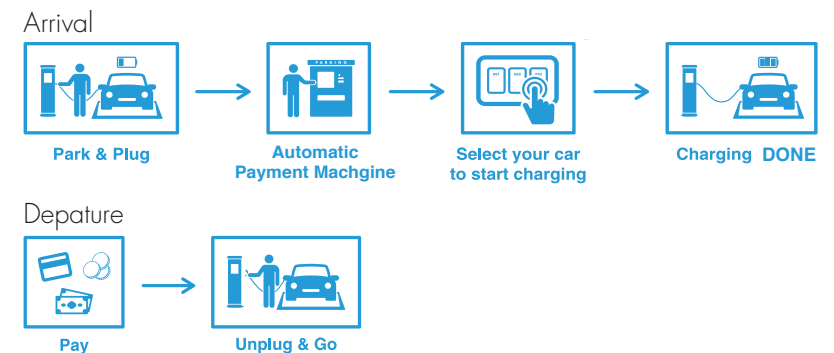


# OCPP Integration



# Charge Point Integration

## Rotation Users



## Subscribed Users



# “ Solutions for Efficient Parking



Circontrol has a network of distributors and representative agents all over the world. For further information please contact:

Headquarter Address:  
C/ Innovació, 3 Industrial Park Can Mitjans  
08232 Viladecavalls (Barcelona), Spain

Phone: (+34) 937 362 940  
Fax: (+34) 937 362 941  
Mail: [circontrol@circontrol.com](mailto:circontrol@circontrol.com)  
V2.3

**circontrol**