

Parking
Technology

HUB

PARKING TECHNOLOGY

FAAC



WELCOME TO THE HUB WORLD

Integrated, value-added solutions for parking systems

HUB Parking Technology is the FAAC Group Business Unit that develops, manufactures, installs and provides after-sales services for Parking Revenue Control Systems branded ZEAG, DATAPARK and FAAC. HUB Parking Technology delivers the flexibility, professional expertise and close personal service of a local company, together with all the capabilities, network and strength of a global player. Through its local subsidiaries and distributors, it is represented in North & South America, Europe, Africa, the Middle East, Asia and Australia. Over the years, the company has constantly innovated to develop state-of-the-art systems that make parking efficient for users as well as profitable and easy to manage for

operators. In the meantime, HUB Parking Technology has remained keenly focused on enhancing its technology differentiation and delivering integrated, value added solutions. With products developed around the world, bringing together knowledge from each market, HUB equipment is robust, reliable and designed for long term performance. HUB's local experts can plan and tailor your installation to satisfy all your requirements in a cost efficient way. We handle everything: Parking Systems, Intercom, License Plate Recognition, Variable Message Signs, and many other subsystems to deliver a total parking solution designed to meet your specific needs.



Reliable
technology

Parking is a key revenue generator and HUB Parking Technology helps maximize the opportunity by speeding up payment, reducing traffic bottlenecks, offering additional payment options, increasing security and reducing downtime.

The simple and versatile HUB software solution

JMS Janus Management System is HUB's Web based Parking Management System. This highly professional software solution allows you to manage multiple parking locations and different types of HUB equipment with the same easy and extremely intuitive user interface.

JMS is reliable, flexible, and perfectly adaptable; from the smallest installation, to the most

complex project with the highest traffic level. It is based on the valuable and long term experience that we gathered by partnering with our customers in their specific field of application, such as **Parking Operators, Airports, Municipalities, Shopping Malls, Hospitals, Universities, Hotels and Stadiums.**



The advantages of the first tile-based User Interface for Parking.

JMS is intuitive:

- **Easy to learn.** JMS offers a very intuitive and user-friendly interface with virtually zero learning curve.
- **Easy to use wherever you are.** Use the JMS Mobile App solution to control your business at any time and any place.
- **Streamline your operations.** JMS simplifies your system management and business processes.
- **Cost-effective.** JMS boosts operational performance and improves process efficiencies, optimizing your resources.

JMS is flexible:

- **Scalable.** Its cutting-edge architecture makes it highly configurable and adaptable, to meet specific business requirements.
- **Adaptable.** Multi-user, multi-car-park and multi-equipment, for easy and effective management.
- **Powerful analyses tool.** JMS provides flexible reports, wide

process control and real-time business performance visibility.

- **Strategic.** JMS integrates a professional Business Intelligence dashboard for structured data mining which enables you to have live deep statistical analysis into a drag-and-drop visual analytics environment. Complex and rich statistical analyses can be accessible and easy to understand for everybody, allowing the whole organization to make data-driven business decisions.
- **Quick.** JMS provides rapid access to data and information to improve customer satisfaction.

JMS is powerful and reliable:

- **Error-proof.** Designed with a fault resistant architecture.
- **Robust.** JMS allows strong user access controls and quick and easy setup of permissions levels.
- **Secure.** Encrypted protocols ensure data security.
- **Cloud ready.** JMS drives down IT costs and lowers your risk when you implement our Cloud option. We manage server backup, maintenance, and regular updates to offer you a stress free reliable service.

A LONG EXPERIENCE AT YOUR DISPOSAL



Our group

FAAC Group is a worldwide leader in the gate automation and access control industries, with 50 years of valuable experience. Since the early 1990's FAAC has expanded the solutions offered to customers to include a wide and comprehensive range of Parking Revenue Systems.

Today, HUB Parking Technology is the Business Unit of the FAAC Group focused on Integrated Parking Solutions to satisfy all kind of customers in the parking industry.

Semplicity combined with reliability

The ParQube product range is the parking system from the FAAC brand and provides simplicity for users and installers whilst maintaining the reliability and precision required by parking managers. ParQube has been created focusing on Users' Experience, offering a unique and ergonomic design together with state-of-the-art technological solutions, such as two-dimensional matrix barcode tickets. In addition, ParQube offers a high level of versatility and customization possibilities for our customers.



Easy installation & maintenance

ParQube can be easily set up and requires the minimum of maintenance. The system is based on simple and reliable mechanic and electronic components, with quick and easy cleaning, replacement and calibration of parts. Operation and maintenance do not require specific technical know-how. Optimal use is guaranteed even by non-specialized operators.



Cost effective

ParQube is structured to achieve low running costs, with a roll paper ticket technology and hardware that minimizes the moving parts, to have a low energy usage and long life.





01

entry/exit & barriers



Featuring the future

The Entry/Exit stations for the ParQube product range feature the latest and most advanced technologies. Thanks to the modularity of the design combined with the flexibility of the management software solutions the stations are ready to accommodate any number of future developments.

■ ID Technology

Ticket technology is based on a 2D barcode solution, with redundancy that allows reading of even the most damaged tickets. An heavy duty thermal printer is used, combined with a long lasting paper ticket (up to 9000 tickets per roll) to have an effective and value for money solution. In addition to paper tickets, the Entry/Exit stations can manage several technologies to identify the parking customer such as RFID proximity cards, long range AVI tags and License Plate Recognition (LPR). Payment for the ticket is carried out at either the automated payment station or fee computer by electronically validating the entry ticket.

■ Easy to Use

The front panel display provides clear guidance information to user. Backlit ticket push button and an LCD display grant high visibility under all-weather conditions, including direct sun light.

■ Easy to Service and Reliable

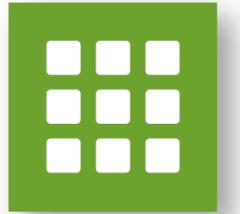
The full height side doors are made for easy service and inspection, and are lockable for improved security. The equipment requires low maintenance due to hardware simplicity and optimized use of the internal space. Aluminum cabinet structure is made for resistance against environmental corrosion, and the built-in heater and fan maintains constant environment conditions. ParQube parking systems can be equipped with FAAC automatic barriers which come from the FAAC Group's many years of experience in gate automation.

■ Customization

ParQube front panel can be easily customized to provide customer aesthetics, with a wrapping film or different casing colour. A simple input and output interface provides easy link to external devices (e.g. traffic lights, rolling shutters, fire alarms etc.). Entry and Exit functions are available also combined: the LEX equipment groups both in a single, optimized case with efficient internal and external layout. A compact version of ParQube entry/exit stations is also available, ParQube Small, for an elegant and space optimized equipment, featuring the same functions as the standard entry and exit stations.



01 entry/exit & barriers



base configuration

LANE ENTRY

- Lockable access doors on 2 sides
- Aluminium cabinet
- 2D thermal printer unit with cutter
- 270mm paper roll, up to 9000 tickets
- Electronic control board with inductive metal detector and RS485 communication

LANE EXIT

- Lockable access doors on 2 sides
- Aluminium cabinet
- Omni-directional laser scanner for tickets
- Electronic control board with inductive metal detector and RS485 communication

LANE ENTRY / EXIT

- Lockable access doors on 2 sides
- Aluminium cabinet
- Front: 2D thermal printer unit with cutter, up to 9000 tickets
- Rear: Omni-directional laser scanner for tickets
- 2x Electronic control board with inductive metal detector and RS485 communication

LANE ENTRY SMALL LANE EXIT SMALL

- Lockable access door
- Aluminium cabinet
- LES: 2D thermal printer unit up to 2500 tickets
- LXS: Omni-directional laser scanner for tickets
- Electronic control board with inductive metal detector and RS485 communication

options

- Congress ticket functionalities
- Wrapping film / Custom Wrapping film / Casing colour
- Backlit LCD 4 rows or Full Colour Graphic Display 7"
- Standard analogue intercom or VOIP
- Proximity reader (passive cards FAAC 125 KHz)
- Long Range reader



accessories

- ParQube base frame
- Ethernet converter for TCP/IP communication



02

automated pay stations



Maximum simplicity

Payment at an automated payment station has never been so simple and fast! Our pay station is designed for user simplicity, with a 15" display screen and ergonomic layout to guide users during the payment process. The ParQube APS has the flexibility to accept all of the most popular payment means available.

■ **Security**

ParQube APS offers the highest level of security against unauthorized access. The cabinet has a robust stainless steel structure, an high security front door with key and hinges, and internal security locks to protect coins and notes.

■ **Customizable**

The ParQube APS can be easily customized on the front panel to provide customer aesthetics.

It provides flexible coin and bill change giving capabilities, with a variety of readers and dispensers. Electronic payment with credit card is widely supported, including a Chip & PIN electronic payment in accordance with the most advanced international standards (country specific).

■ **Easy to Service**

All components are designed for simple and rapid maintenance with a modular layout that gives great flexibility for future needs. The automated payment station is linked to the management system by a TCP/ IP network, to allow easy reporting and control from JMS parking management system. To put it simply... ParQube provides the best value for your money.



02

automated pay stations

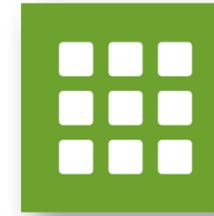
base configuration

AUTOMATED PAY STATION

- Robust cabinet, 2,5mm painted stainless steel
- Burglar resisting door with security key
- 4 vandal proof user push buttons
- LED illuminated user guidance for payment process
- 2D thermal printer unit with cutter
- Omni-directional laser scanner for tickets
- Management unit PC with embedded Windows OS
- Internal wireless keyboard
- Illuminated money return tray



AUTOMATED PAY STATION



options

- Wrapping film, / custom wrapping / custom Casing colour
- Proximity reader (to renew value cards)
- No coins
- Max three hoppers (up to 3 coin denominations; each hopper capability 1000 coins)
- Notes reader
- Notes dispenser (1 or 2 denominations, each open cassette capability 1000 notes/if locked 2000 notes)
- Closing of safes (standard or custom lock)
- Electronic payment by Chip & Pin or contactless NFC
- Standard analogue intercom or VOIP
- Break in alarm with vibration sensor
- 2 different heights Plinth: 400mm or 200mm

fee computer

User-friendly

Highly intuitive Graphical User Interface allows cashiers to learn how to use the ParQube fee computer quickly cutting down training time.

Process speed

The ParQube fee computer is capable of processing the payment in a fast and logical manner to keep the transaction time short.



Modern design

Large and colorful touch-screen with function buttons to reduce cashier errors.

VALIDATION SOLUTIONS PORTFOLIO



Easy-to-use solutions to promote business & customer loyalty

Many retail stores, supermarkets, cinemas, shops, restaurants, etc. offer discounted parking to promote their businesses and increase customer loyalty.

The ParQube system provides two simple and reliable solutions to allow operators to offer these discounts or validations in car parks:

- on-line - electronic validation of entry ticket
- off-line - barcode discount voucher (printed or digital)

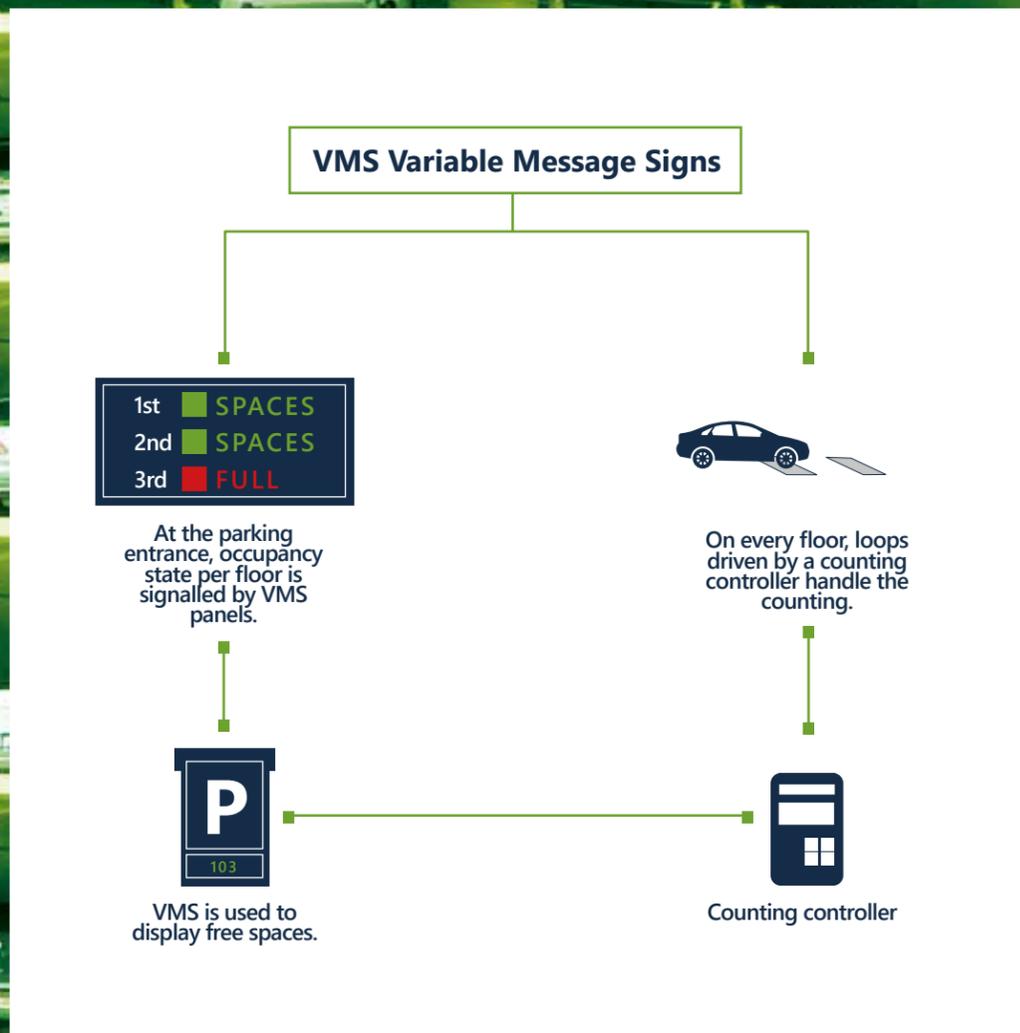
When paying for parking at a Fee Computer or automatic pay station, the voucher is presented to claim the discount.

The number and value of discounts given are audited and a management report prepared to allow the car park operator to be able to charge back the discounted amount to the business issuing the deduction.



APPLICATION EXAMPLES

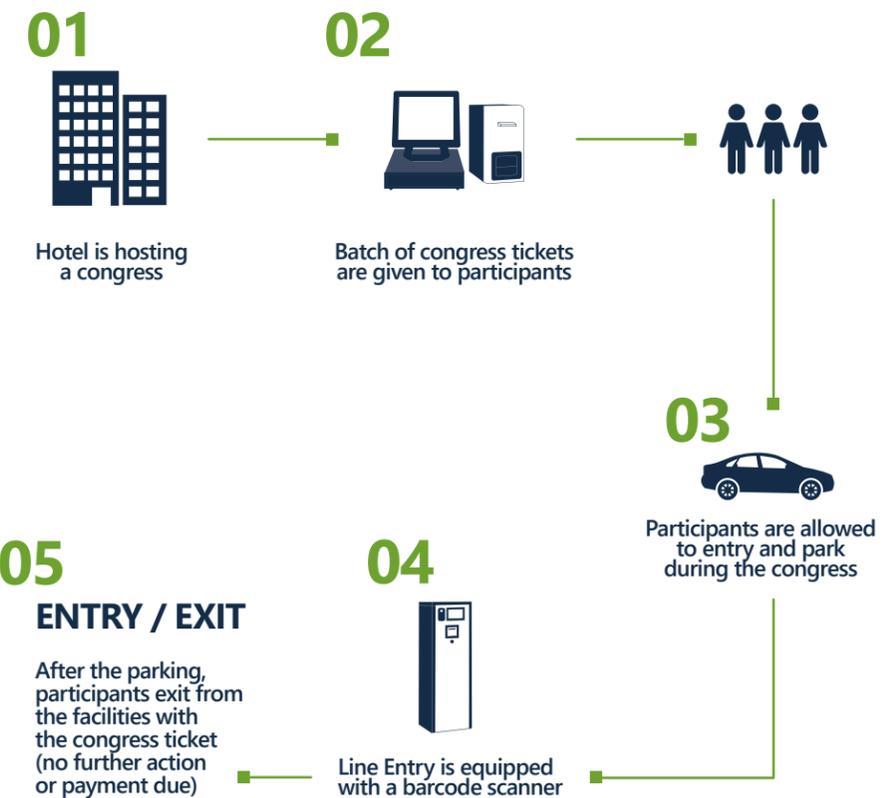
Floor counting



Congress ticket

Congress ticket is a feature useful to Hotels that host a Congress/Event. In essence, a ticket is given to congress participants to allow multiple entry and exit in a defined period of time.

These tickets are issued by the hotel parking cashier, usually in batches. This is possible using our Fee Computer device. The parking site is configured with a scanner at the entry lane, to read the ticket and allow the entry.



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