Parking Technology

Parking Technology FAAC

Welcome to the HUB W orld

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.
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.
We handle everything: Parking Systems, Variable Message Signs, CCTV, License Plate Recognition, Intercom, Bay Monitoring, and many other subsystems to deliver a total parking solution designed to meet your specific needs.

Special Award
HUB Parking Technology has been presented with the Good Design Award by The Chicago Athenaeum Museum of Architecture and Design in cooperation with the European Centre for Architecture, Art, Design and Urban Studies. This is the oldest and world's most recognized program for design excellence worldwide.

JMS Janus Manageme nt System

The simple and versatile HUB software solution

Janus Management System is an intuitive and user-friendly software solution which allows you to manage multiple parking locations and different types of HUB equipment (branded ZEAG, DATAPARK and FAAC) with just one tool.
It is highly scalable and perfectly adaptable to any type of installation, from the smallest to the most complex projects with high traffic levels. JMS can support you in many ways.

Web-based configuration
For the first time, you'll be able to easily manage and control all your HUB equipment and HUB Parking Systems with one simple and versatile software solution. With JMS you can centrally manage all your business processes from a web-based console.

Cloud Option
Through our cloud-based remote management system, access your business anytime, anywhere using any device and a web browser. With our Cloud Option, you only need your local hardware and internet access and we handle everything else.

Advantages:
- Near zero learning curve. JMS offers a very intuitive and user-friendly interface: Windows 8 style
- Reduces business process inefficiencies and helps boost business performance without investing in more staff
- Ensures 24/7 system and data availability
- Simplifies your system management and business processes
- Allows you to decide who can access the information
- Is a highly configurable and scalable system
- Has multi-user, multi-car-park and multi-equipment capability
- Provides flexible reports, wide process control and real-time business performance visibility
- Improves your service and reduces potential downtime as the information is available to you so quickly
- 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 y our disposal

A wide and comprehensive range of systems
FAAC Group has enjoyed a leading position in the worldwide market gaining many years of valuable experience in the gate automation and access control industries. 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 (the Parking Revenue Control Systems Business Unit of the FAAC Group) is intently focused on satisfying all our international parking customers within the parking industry.

Simplicity combined with reliability
The new advanced ParQube product range is the latest parking system from the FAAC brand and provides simplicity for users and installers whilst maintaining the reliability and precision required by parking managers. Innovative and modern in concept, ParQube is designed to provide stations that are robust, pleasing to the eye and easy to operate by the user. ParQube is based on simple, yet advanced mechanics with highly reliable electronic components.
ParQube has been created focusing on Design and Users' Experience, to offer a unique and ergonomic design, together with state-of-the-art technological components, such as two-dimensional matrix barcode tickets. In addition, ParQube also offers a high level of versatility and flexible customization possibilities for our customers.

Easy maintenance
ParQube is a real plug-and-play system. It can be easily set up and requires the minimum of maintenance. It is quick and easy to remove parts for cleaning, replacement and calibration. Operation and maintenance do not require specific technical know-how. Optimal use is guaranteed even by non-specialised operators. ParQube is designed to be capable of withstanding high traffic levels.

Cost effective and Green
ParQube is structured to achieve low running costs with hardware that is designed to have a low environmental impact along with low energy usage and long life. The number of plastic components used has been reduced dramatically to the absolute minimum allowing a much higher level of waste reduction and recyclability.

Entry/Exit Stations and Barriers

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. The Parking barriers, managed by the Entry/Exit stations, come from the FAAC Group's many years of experience in gate automation.

Our ticket technology is based on a very reliable barcode solution that allows reading of even the most worn tickets. With dual 2D barcodes printed on the ticket this allows us to read the information from partially damaged or even missing sections of code. In this way we can combine an effective and valuable solution that is also economic with very low levels of maintenance requirements. Payment for the ticket is carried out at either the automated payment station or fee computer by electronically validating the entry ticket. This makes it possible to keep operating costs low by not reprinting the ticket. The front panel display provides clear guidance information to users.

Communication between the management system and the Entry/Exit stations uses highly reliable networks - RS485 or TCP/IP. ParQube Entry/Exit stations offer a very high level of flexibility such that they can be configured for almost any customer requirement. The same Entry/Exit stations can thus manage several technologies to identify the parking customer such as short range contactless Radio-Frequency Identification (RFID), long range Automatic Vehicle Identification (AVI), and License Plate Recognition (LPR) as well as barcode tickets by simply adding ancillary devices.

All ParQube parking systems are equipped with FAAC automatic barriers which are internationally known for their high level of reliability. FAAC automatic barriers are also used at the toll gates on the Italian motorway network as well as in a number of other locations on motorways worldwide.

ParQube - one solution for all your needs

Additional solutions allow the system to comply with a variety of application such as:

- one station to manage both entry and exit lanes
- controlled access to nested car park areas and controlled access through pedestrian doors for ticket and card holders

Entry/Exit Statio ns and Barriers

Featuring the future

FEATURES

ADVANTAGES

- Easy customization of the front panel to provide customer aesthetics
- Very easy accessibility for service inspection with two lockable full height doors
- Low maintenance requirements due to units simplicity and optimized use of the internal space
- Aluminum cabinet structure for resistance against environmental corrosion

PRODUCT FEATURES

- Dual 2D barcode technology to ensure the highest ticket read reliability
- Heavy duty thermal printer for fast and reliable ticket issue
- Long lasting paper roll (up to 9000 tickets per roll) or 5000 fanfold tickets
- Simple and easy removal of all parts for servicing
- Backlit ticket request push button
- LCD display providing clear guidance information to users. High visibility under all-weather conditions, including direct sun light
- Simple input and output interfaces to link the station to external devices (e.g. traffic lights, rolling shutters, fire alarms etc.)
- Built-in heater and fan to maintain constant environment conditions
- Cost effective with the same design for both entry and exit stations

OPTIONS

- Front panel customization
- Voice over IP (VOIP) digital or analogue intercoms
- Full color display (7") for clear guidance information to users
- Proximity reader (EM or Mifare standards)
- Active or passive long range reader (AVI)
- LPR camera system
- VMS or simple traffic light management

ParQube LE

ParQube LX

ParQube Dual
Front Side LE

ParQube Dual
Rear Side LX

ParQube
Access Reader

FAAC Barrier 620
Barriers

Automated Payment St ations

Payment at an automated payment station has never been so modern, so simple and so fast!
Thanks to the newly created layout and with the use of the most up-to-date technologies, the brand new ParQube automated pay station offers maximum flexibility for car park operators.
It has been designed for user simplicity. The large display screen and ergonomic layout guides users to allow effortless payment for parking as well as offering the flexibility to accept all of the most popular payment means available.
The new station affords the highest level of security against unauthorized access with strict audit control of all transaction income and money change within the station. The cabinet has a strong and robust internal and external structure. All components are designed for simple and rapid maintenance with a modular layout that gives great flexibility for future requirements. Assembly is carried out to the highest standards taking into consideration many years of experience from our numerous installations around the world.
The automated payment station is linked to the management system by a TCP/ IP network.
To put it simply... ParQube provides the best value for your money.

Automated Pay ment Stations

Maximum Simplicity

FEATURES

ADVANTAGES

- New modular design to allow maximum flexibility for all available configurations
- Wide range of options to meet customer needs
- Easy customization of the front panel to provide customer aesthetics
- Configurable to allow an optimized and cost effective solution

PRODUCT FEATURES

- Full colour 15” screen guides users in order to allow effortless payment
- Simple barcode ticket reader with no moving parts
- High quality printer for receipts, cashier statements and lost tickets
- Flexible coin and bill change giving capabilities
- Equipped with a variety of bill reader & recycler options to cover worldwide requirements in order to reduce the need to top-up change
- Credit Card Chip & PIN electronic payment in accordance with the most advanced international standards (country specific)
- Robust painted stainless steel cabinet
- Burglar-resistant cabinet with high security front door, keys and hinges
- Front door operator and maintenance staff access to all main components (ticket & card reader, money safes, etc.)

OPTIONS

- Bill readers
- Bill recycler
- Bill dispenser for 1 or 2 denominations
- High capacity coin hoppers (open or lockable)
- Voice over IP (VOIP) digital or analogue intercoms
- Break-in alarm siren

ParQube APS

Possibility to provide customer aesthetics

Fee Computers

The ParQube Fee Computer has been designed with the general principles that apply to all of our other system devices, namely: flexibility, modularity, reliability, value for money, ease of use and simple maintenance.
The Fee Computer is available in two main configurations:
- Central cashier manual payment
- Exit lane cashier manual payment

Thanks to the touch screen option, the cashier can operate in a faster, more comfortable and simpler way. The cashier can take control of the income flow during his shift.
The Fee Computer application software has been developed for use by non-specialised personnel and brilliantly combines ease-of-use with innovative performance. The software design utilizes the latest Microsoft Windows operating systems.

Fee Computers

Full control of your parking site

FEATURES

- User friendly software with icons
- Easy to operate
- Highly flexible tariff structure
- Easy to produce and configure management and cashier reports

PRODUCT FEATURES

- Parking fee calculation and payment
- Manages the sale & renewal of contract parking cards
- Full auditing of fees taken and change given to create a cashier report produced for each operator shift
- Advanced graphic user interface with dynamic configuration toolbar allows fast and easy cashier operation
- Calculates discounts to parking fees. Local retail stores, shops, restaurants, etc. can offer discounted parking to promote their businesses and increase customer loyalty. The Fee Computer manages the discounted parking fees in accordance with the policy agreed
- Management reporting of Fee Computer operations (cash/ transaction audit, movement/ transits completed, events registered, spaces/ occupancy)
- Simple inputs and output interfaces to link the station to external devices (e.g. traffic lights, rolling shutters, fire alarms etc.)

OPTIONS

- Cash Drawer
- Touch Screen
- Proximity Reader

ParQube 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

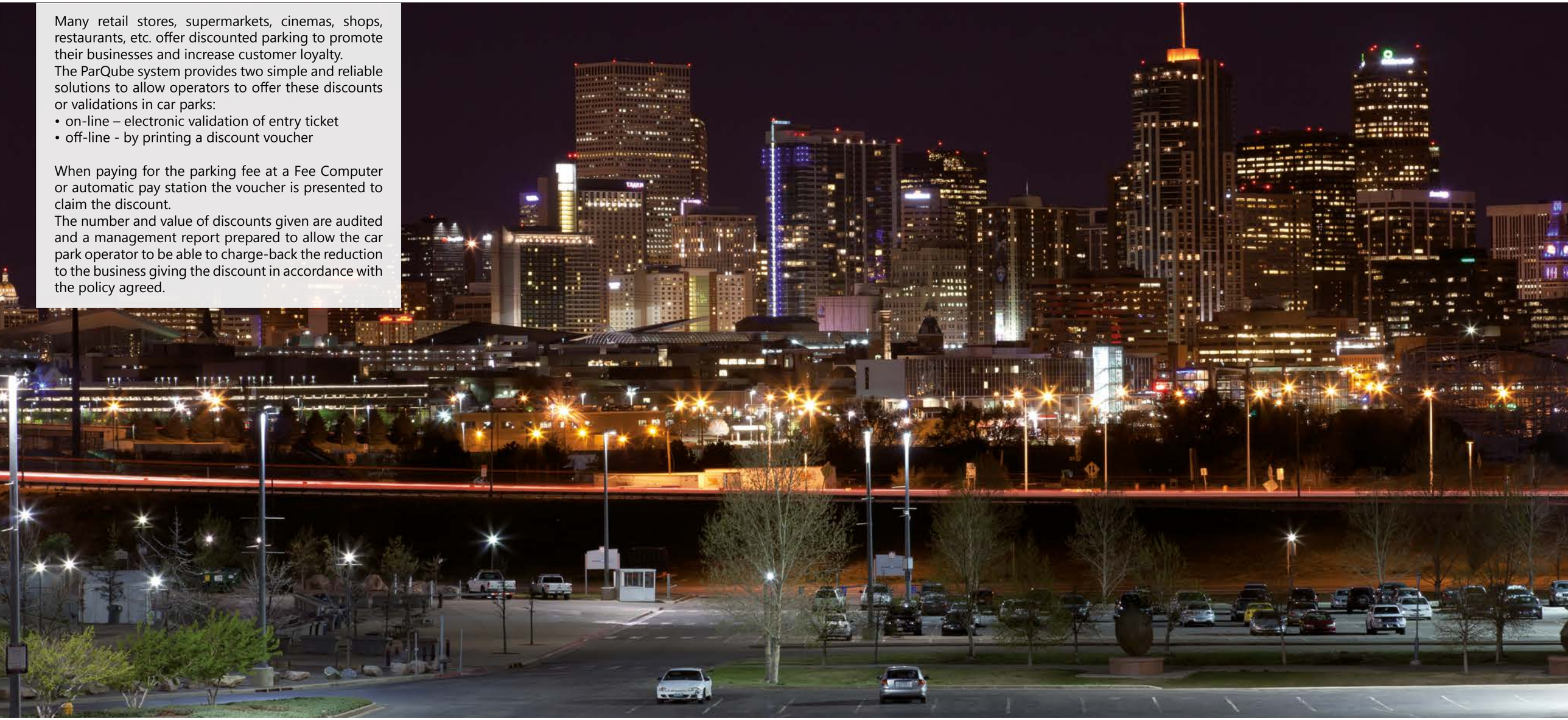
Large and colorful touch-screen with function buttons to reduce cashier errors.

Validation Solutions

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 - by printing a discount voucher

When paying for the parking fee 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 reduction to the business giving the discount in accordance with the policy agreed.



Validation Solut ions

Easy-to-use solutions

FEATURES

ADVANTAGES

- Incentivize customers to use your car park and increase business by offering discounted parking fees
- Reporting for individual businesses
- Multiple discounts can be given for a ticket
- Simple validators for use by individual businesses

PRODUCT FEATURES

ON-LINE VALIDATOR

- The business offering the validation scans the barcode on the entry ticket to give a pre-set discount on the parking fee. The validator must be linked to the management system with a TCP/ IP or RS485 network connection and includes the Time 5K Unit and the 2D barcode scanner.

OFF-LINE VALIDATION PRINTER

- Simple and easy to issue a barcode discount voucher with the **ValiPrint**. The most flexible, light and portable voucher printer is ergonomically styled for retail environments. Each voucher is equipped with an encrypted barcode and unique number which avoids fraudulent use of validation.
  The **ValiPrint** does not require any network cabling or installation. All you need is a standard mains power supply. **ValiPrint** is available in single or 4 discount versions. This low cost printer is fully auditable and is able to print a report for the number of validations issue.

Time 5K net

2D barcode scanner

ValiPrint VPT1

ValiPrint VPT4

Signs

The ParQube Systems has a wide range of customer information signs that can be configured depending on the specific installation requirement. Our sign displays are designed to give outstanding visual impact, to attract attention and improve customer information. Signs provide fixed or variable messages to advise customers of the parking status or simply to give the go signal with a green light.

Signs

Guidance and information

FEATURES

ADVANTAGES

- The ParQube range of signs all use modern LED lights providing superior readability in all weather and lighting conditions
- LED lights give a uniform intensity and color across the whole display
- LED technology dramatically reduces power consumption and maintenance costs
- Signage housings are manufactured from Aluminum for long life, resistance against corrosion and give access for safe and convenient maintenance

PRODUCT FEATURES

TRAFFIC LIGHTS
High intensity LED, RED and GREEN lights. Compact solution for in-lane applications.

FULL / VACANT
One or two sided high intensity LED sign to show the car park is either FULL or has SPACES available.

- VACANT text in high intensity GREEN LED (characters 100mm high)
- FULL text in high intensity RED LED (characters 100mm high)
- Brightness reduction for night-time operation
- High intensity LED backlit parking symbol (white "P" on a blue background)
- Night time sensor to switch on backlight
- Selectable text (multiple languages available)
- Aluminium casing

VMS (Variable Message Signs)
Electronic displays to show configurable messages and especially the current number of spaces available.

- 8 digit display to show the number of spaces
- High intensity GREEN & RED LED (characters 100mm high)
- Brightness reduction for night-time operation
- Message text and color (green or red) can be changed on request via software (Data network to management system required)
- High intensity LED backlit parking symbol (white "P" on a blue background)
- Night time sensor to switch on backlight
- Text configurable for multiple languages
- Aluminium casing (IP43)

VMS

Single Line VMS

Traffic light

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Parking Technology HUB

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