PARKPLUS SPECIAL SOLUTIONS

Parkplus, one solution for all needs.
Special solutions, allow system to comply to a variety of application needs such as:
- one column to manage entry and exit lanes
- double height column when parking has a mixture of cars and higher vehicles
- access control for permanent users restricted area
- access control for visitors and card holders to parking night doors

PARKPLUS Dual TD & TR
One column manages two lanes:

Entry lane by front side - ticket dispenser
Exit lane by rear side - ticket reader
For all situations in which there is enough space but limited budget.
Same characteristics of Parkplus ticket dispenser and ticket reader column

- Dimensions L360xD360xH1220 mm
- Power supply: 230-115 VAC/50Hz
- Max absorbed power: 320 W
- Weight: 52 kg
- Operating ambient temperature -20°C/+50°C

FRONT SIDE: ticket dispenser

REAR SIDE: ticket reader

PARKPLUS Ticket Dispenser DL/PARKPLUS Ticket reader DL
To manage all vehicle size in one lane.

It has same design of Parkplus dispenser & reader but double size having on upper part a second slot to manage higher vehicles like trucks and buses whilst normal cars are managed on lower part. Same characteristics of Parkplus ticket dispenser and ticket reader column but having all components doubled.

- Dimensions L360xD360xH1930 mm
- Power supply: 230-115 VAC/50Hz
- Max absorbed power: 320 W
- Weight: 70 kg
- Operating ambient temperature -20°C/+50°C

PARKPLUS GATE card reader
Access reader for restricted area

It has same design and shape of Parkplus dispenser & reader and is able to control restricted area for card holders only such as, tenants, employers, VIP, etc.

- Dimensions L360xD360xH1220 mm
- Weight: 40 kg
- Operating ambient temperature 0-40°C
- Powered by Parkplus controller (not included)
- Heating and ventilation recommended for outdoor environment (not included)

PARKPLUS DOOR cards & tickets reader
Designed for pedestrian access doors control to allow users entrance by means of valid card or ticket reading

- Outdoor cabinet with front access having same family look of other system components
- Steel sheet structure painted RAL 9006
- Front panel in selfextinguishing and weather-resistant PVC, painted RAL 3020
- Backlit LCD display 4 x 20 characters
- Barcode ticket reader for single-stay paying users in 1D and 2D format
- Passive proximity reader for cards; management of subscribers and users with set-value cards; 125 kHz ISO cards or keyring format
- Heating plate & fan with built in thermostat
- Electronic control board with: communication with the data controller in RS485 or LAN
- Designed to hold intercom system and call button (option).
- Dimensions L265xD150xH545 mm
- Power supply: 230-115VAC/50Hz
- Max absorbed power: 60 W
- Weight: 11 kg
- Operating ambient temperature -20°C/+50°C

FAAC
PARKING SYSTEMS & ACCESS CONTROL

PARKPLUS PARKING SYSTEM
High performance parking area management system

FAAC
Simply automatic.

ADVANCED SOLUTIONS FOR CAR PARK PAY SYSTEM

PARKPLUS is the advanced FAAC system for the necessary professional management of modern-concept parking areas.
The system provides simplicity for users and installers whilst maintaining reliability and precision required by managers.
Innovative and modern concept designed to provide a terminal that is ergonomic and easy to operate by the user.
The backlit display provides users with useful and easily understandable information.
Structured for inexpensive use and low running costs, the system is based on simple yet advanced mechanics and highly reliable electronic components.
The ease of removal for cleaning or replacing parts, calibration operations or maintenance, does not require specific technical know-how.
Optimal use even by non-specialised operators.
Fit to withstand high traffic levels.

Double user management:
• SINGLE-STAY USERS WITH 2D BARCODE TICKETS. FAAC has developed a high level of experience in barcode technology
• SUBSCRIBERS WITH PROXIMITY CARDS OR LONG-RANGE TAGS (active or passive) for maximum ease and speed of use

Use of the barcode is a guarantee of reliability that allows reading of even the most worn tickets.
In addition, the new 2D technology thanks to dual bar code printed on the ticket, allows reading of tickets that are even partially damaged or missing part of the code.
Electronic validation at the cash-desk (whether manual or automatic) of the entry ticket makes it possible to keep operating costs low by not reprinting the ticket.
System communication is standardised and based on highly reliable networks namely RS485 or the LAN network between the entry and exit columns with the management PC and the LAN network, and between the PC and any other auxiliary manual or automatic cash-desk units.
The software, developed according to the latest Windows operating systems, is also designed for use by non-specialised personnel and brilliantly combines ease-of-use with innovative performance.

Ticket dispenser column
Entry ticket issue and proximity card reading
• Outdoor cabinet with access from both sides
• Bearing structure made of extruded aluminium, painted RAL 9006, front and rear panel in self-extinguishing and weather-resistant PVC, painted RAL 3020
• Dimensions L360xD360xH1220 mm
• Plate-heating with thermostat
• Designed to hold intercom system and call button (option)
• 2D heat printer unit with cutter
• 2D barcode ticket, dimension 86x60 mm
• 9000 tickets per roll with 80 gr/sqm paper

• Fast ticket issue for high flow
• Passive proximity reader for cards; management of subscribers and users with set-value cards
• 125 kHz ISO cards or keyring format
• Long range distance reader (option)
• Vehicle detection using a built-in inductive metal detector
• Communication with the data controller in RS485 or LAN network
• Programming with Time PL keypad for stand alone applications without PC

Rapid barrier
Fast and safe access to the parking area and internal areas
• Structure made of steel sheet plate with cataphoresis coating and polyester painting RAL 9006
• Dimensions 1080x360x170 mm
• Hydraulic drive with plunging piston cylinders - PATENTED

• 100% 24hr continuous service
• Opening time 2 sec. (1.5 sec. for TT version)
• Electronic deceleration - PATENTED
• Designed also for installation with articulated beam for low ceilings

Ticket reader column
Reader for TICKETS paid at the manual or automatic cash-desk and proximity card reader
• Outdoor cabinet with access from both sides
• Bearing structure made of extruded aluminium, painted RAL 9006, front and rear panel in self-extinguishing and weather-resistant PVC, painted RAL 3020
• Dimensions L360xD360xH1220 mm
• Plate-heating with thermostat
• Designed to hold intercom system and call button (option)
• Barcode ticket reader for single-stay paying users in 1D and 2D format

• Fast ticket reading for high flow
• Passive proximity reader for cards; subscriber and set-value card user management
• 125 kHz ISO cards or keyring format
• Long range distance reader (option)
• Vehicle detection using a built-in inductive metal detector
• Communication with the data controller in RS485 or LAN network

Data controller/Manual cash-desk
• Personal Computer
• 2D barcode scanner
• Reader for card acquisition
• User display

• Printer for receipts, end-of-shift reports, 1D lost ticket
• PL Controller
• Central Intercom (option)

Additional components for lane cash-desks
• Terminal board complete with 2-channel detector for PL controller
• 620 Rapid barrier

Software
• Fast and easy to program / manage, thanks to the graphic interface with dynamic configuration toolbar
• Current state of occupation management for controlling the VACANT/FULL message panel or with variable messages and number of spaces
• Entry and exit control for single-stay users and subscribers
• Park fee calculation and collection of amounts due for stay
• Issue, management and renewal of the possible various types of cards (subscriptions, set-value, points, etc.)

• Management and computation of takings associated with an operator and his/her shift
• Extraction, using reports, of all the events memorised by the program (cash taken in, transits completed, events registered and associated with the cash-desk operator, state of space occupation)
• Management of remote manual cash-desk or at exit lane
• Multi-cash-desk management up to 10 Client manual cash-desks connected to the data controller
• Automatic cash-desk management

Automatic cash-desk
Uninterrupted 24hr service - payment for single-stay users, subscription renewal and set value cards top-up - coin return (requires protection from weather and direct sunlight)

Basic module
• Cabinet made of painted stainless steel thickness 2.5 mm
• Dimensions 1660x570x400 mm
• Door with safety key
• Anti-break-in function keys
• 8-inch colour user display
• Barcode ticket reader for single-stay users in 1D and 2D format
• Passive proximity reader for cards; subscription renewal, set-value card top up
• 125 kHz ISO cards or keyring format
• Coin selector
• Thermostat-controlled thermofan

• Unit for issuing receipts, 1D lost tickets, reports
• Power supply 230VAC-115VAC 50Hz

Options
• Banknote selector
• Coin return up to 3 self-loading denominations
• Online debit/credit card acceptor compliant with EMVII standards (country specific option)
• Siren with vibration detector
• Designed to hold intercom system and call button (option)
• Function as data controller

Special applications
MWCC software - for video checks *(for lane cash-desk only)*
• Innovative software management that allows association of the vehicle image with the transit data carrier (ticket or card) at entry.
• Upon exit the operator visually checks, with the help of images captured from the webcam at the entrance, that the person exiting possesses the same vehicle used at entry.
• Exit depends on the manual confirmation given by the operator
• The images received are shown in the program main window and stored in sub-folders.

Ticket validator
• For supermarket cash-desks, cinemas, restaurants, shops, etc.
• Consists of: TIME 5000 PL terminal - 2D barcode ticket scanner.
• Online data link to controller via RS485 network of Ethernet LAN.
• Entry ticket reading with scanner to apply discounts or free exit to customers of supermarkets, cinemas, restaurants, etc.
• Programmed via data network from manual cash-desk/data controller

PARKPLUS ENTRY LANE

The barrier will open after ticket with drawal or card reading (subscriber, set-value, etc.)
Similarly, to activate the exit barrier, the user must insert a ticket already paid (at the cash-desk manual or automatic), or read a card (subscriber, set-value, etc.)

PARKPLUS AUTOMATIC CASH-DESK IN OPERATION

Ticket reading determines the automatic application of the rate. When payment is completed, the machine will return the change (if owed), the receipt (if requested) and gives the user a grace time to exit.

PARKING AREA LAYOUT WITH MANUAL AND AUTOMATIC CASH-DESK
A solution that allows continuous operation, both manned and un-manned

620 Barrier

Automatic cash-desk

Data controller/ Manual cash-desk

Ticket reader

Ticket dispenser

Variable message panel

620 Barrier

1. Vacant spaces number indicator using variable message sign.
2. Entrance for single-stay users with ticket issue or for subscribers with card reading.
3. Manual cash-desk payment with attendant assistance during service hours or at automatic cash-desk at any time of day or night. Ticket validation for grace time.
4. Exit for single-stay users with paid ticket or for subscribers with card reading.