FAAC

P ARAGON parking system

The new system for innovative and professional management of car parks
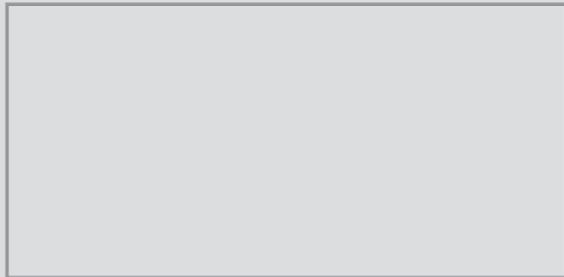
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FAAC

SINCERT
CERMET
SISTEMA
DI GESTIONE
CERTIFICATO

CE

PARAGON

is the new system for automation and management of parking areas.

On-going innovation in research and development, combined with the highest quality standards, have given the system all the requirements now necessary for professional management of a car park.

The system makes it possible to control a flat surface or multi-storey area, enabling access, control of vehicular flows, automatic or manual collection of payment, supplying the necessary accounting and administrative reports.

The system's flexibility makes it possible to enlarge the area, in terms of the number of vehicle gates, payment units, software performance and possible interfacing with external systems which improve the use of cities and the relevant services.

The application possibilities make it possible to connect several parking areas, manageable from a single remote station, thus centralising control and operational accounting.

PARAGON: a technological challenge, a comparison term, a reference standard.

CORPORATE MISSION

- ON-GOING INNOVATION
- MANAGEMENT OF DESIGN AND PRODUCTION STAGES ACCORDING TO ISO 9001 QUALITATIVE STANDARDS
- A RELIABLE LONG-LIFE PRODUCT
- COMPLETE, SYSTEMATIC TRAINING FOR OUR SALES AND SERVICE NETWORK
- TOTAL QUALITY

CE

Application software

Developed, with the latest criteria, in graphic ambient on Windows XP Professional platform, the PARAGON WP4 software is a mix of innovation and processing power.
This system's motor is based on an SQL relation Database created by Sybase, able to manage millions of records.

Basic module software
The system's control unit, information management

- SQL Relational database
- Setting of operator access privileges
- Report Manager Software for display and processing of user and cash-desk movements
- Export in text format for subsequent processing on Excel files for example.
- Park Set-up Software for configuring functional parameters and tariffs
- Setting of 99 tariff profiles, each composed of 99 different tariffs.
- Park Back-up Software for planning periodic saving of data
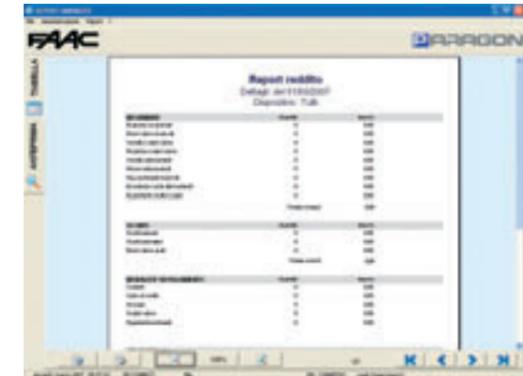
Cash-desk Module Software
### Ticket office and stay payment, operational management of customer

- Stay payment management for single stay users with ticket
- Management and issue of Value Tokens
- Sale of subscriber cards and prepaid set-value cards
- Payment procedures by cash, prepaid cards, value tokens, and credit cards
- Management of information messages to user via Display

Controller Module Software
System communication, control and configuration of peripheral units

- Communication via RS485 to entry and exit columns
- Communication via LAN to manual and/or automatic cash-desks
- Configuration of all peripheral units
- Monitoring operation of peripheral units
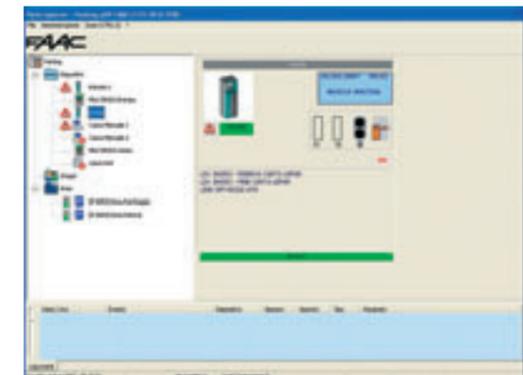
PARAGON is the ideal system
for all applicative needs

**The system's flexibility allows
for applications in different sectors:**

- Car park management companies
- Municipalised multi-service companies
- Hotels
- Airports
- Shopping malls
- Hospitals
- Amusement parks
- Sports structures
- Trade fair structures

The system's ergonomics and design

- Modern, functional design for all the system's components
- United ticket column for operation as entrance and exit
- Single illuminated 'slot' for acceptance of all transit tickets/cards
- User interface with display
- Assistance to user by local intercom or via telephone network
- Messages in vocal synthesis

Main innovation

- The universal ticket treatment module
  is common to all the devices:
- Entrance column
- Exit column
- Manual Cash Desk
- Automatic Cash Desk

Transit tickets handled

- Barcode tickets
- Magnetic tickets
- Magnetic cards
- Proximity cards in ISO or key-case format
- Hands-free active transponders

Stay payment methods

- Cash in the manual and/or automatic cash-desks
- Set-value cards in the manual and/or automatic cash-desks
- Set-value cards in the exit lane
- Discountable value tokens in the manual and/or automatic cash-desks
- Credit cards in the manual and/or automatic cash-desks
- Credit cards in the exit lane

Devices for access control
and vehicular traffic management

Ticket column
Issue of entrance tickets, and reading of paid tickets, treatment of all the system's tickets

- Outdoor cabinet with front access
- Dimensions 1150x380x310mm
- Heater with temperature control
- Intercom for local communication or via telephone network
- Tickets treated from a single lighted slot
- Barcode tickets read and written
- Magnetic tickets read and written
- ISO 2 (thickness from 0.20 to 0.78 mm) cards read and written
- Proximity cards read
- Interface with long distance external transponder reader
- Ticket issuing range: 5000 pcs.
- Information display
- Illuminated anti break-in ticket request push-button
- Vocal synthesis
- Detection of vehicles by inductive metal detector
- Communication with the RS485 data controller

Free-hands active transponder reader
Rapid, privileged access to car park and internal areas

- Structure in stainless steel sheet, with plastic front panel
- Dimensions 310x250x100 mm
- Transponder detection at frequency of 2.45 Ghz
- Operation combined with Paragon column for entrance/exit gates
- Operation with Multipass control unit for access to reserved areas without a ticket Column

Reader for access to doors and reserved areas
Opening of doors, gates, control of lifts and access to proprietary and VIP areas

Access with magnetic and proximity multi-function reader
Access by typing in code (ticket and active transponder) on numeric keypad
User interface with 16x2 character backlit display
Operation with Multipass control unit

Rapid barrier
Quick, safe access to car park and internal areas

- Structure in steel sheet treated with cataphoresis, and polyester painted.
- Dimensions 1080x360x170mm
- Hydraulic activation with plunge piston cylinders.
- Round-the -clock service 100%
- Opening time 2 sec.
- Electronic slow-down
- An articulated rod can be installed for low ceilings

Payment devices

Automatic Cash Desk
Quick and simple automatic payment by cash or cards

- Cabinet in stainless steel with front access
- Dimensions 1245x845x500mm
- Raised base 560x845x500mm
- Heater with temperature control
- Intercom for local communication or via telephone network
- Pentium 4 management computer
- Window XP Professional operating system
- Tickets treated from a single lighted slot
- Barcode tickets read and written
- Magnetic tickets read and written
- ISO 2 (thickness from 0.20 to 0.78 mm) cards read and written
- Proximity cards read
- LCD TFT 15" colour monitor,
  with multilingual instructions for all user procedures
- Informative anti-burglary push-button
- Communication with the data controller in LAN network
- Coin slot
- Banknote slot
- Self-recharging coin change dispenser (max 7 hoppers)
- Banknote change dispenser (1 size)
- Access to cash with differentiated keys
- Siren with vibrations sensor

- Software for configuration and control
- Software for managing payments and accounts

Manual Cash Desk
Operator-assisted payment by cash, cards, or tickets Cash-desk module

- Metal structure with plastic cover
- Dimensions 320x320x380mm
- Tickets treated from a single lighted slot
- Barcode tickets read and written
- Magnetic tickets read and written
- ISO 2 (thickness from 0.20 to 0.78 mm) cards read and written
- Proximity cards read
- Communication with management Computer via RS232

Management system

- Pentium 4 management computer
- Window XP Professional operating system
- Basic module software
- Manual cash-desk module software

Information display for customers

- Fluorescent, information display, 20x2 characters

Control and management devices

Data controller
System control and configuration, data communication
Management system

- Pentium 4 management computer
- Window XP Professional operating system
- Basic module software
- Data controller module software

Multi-function control unit
Single station for manned manual cash-desk and data controller
Cash-desk module

- Metal structure with plastic cover
- Dimensions 320x320x380mm
- Tickets treated from a single lighted slot
- Barcode tickets read and written
- Magnetic tickets read and written
- ISO 2 (thickness from 0.20 to 0.78 mm) cards read and written
- Proximity cards read
- Communication with management Computer via RS232

Management system

- Pentium 4 management computer
- Window XP Professional operating system
- SQL database
- Basic module software
- Manual cash-desk module software
- Data controller module software

Information display for customers

- Fluorescent, information display, 20x2 characters

Remote control unit
Remote activations (opening of barriers, closure of lanes, etc)
Summary prints, tariffs and parameters change

- Pentium 4 management computer
- Window XP Professional operating system
- Basic module software