DESIGNA

PM ABACUS

WinOperate
PM ABACUS application

The application WinOperate offers the operator convenient access to all the control functions of the PM ABACUS system and integrates extensive administering and reporting functions.

· MS Windows 7 Professional operating system
· Graphical, clear presentation of the parking system
· Checking and controlling of the devices
· Functional alarm message reporting with direct access to detailed information
· Administering customer and card data and issuing various types of tickets
· Tariff module for the convenient design of car park tariffs
· Web-based presentation of business figures

Basis Edition
· Controlling and administering functions for the entire system and for car parks and individual devices
· Clear presentation of the car park situation
· Display of all alarm and error messages incl. logging and evaluating
· Personnel, customer and card administration
  - Clear presentation of customer and card data
  - Rapid processing of customer and card data
  - Complex search functions
· Issue of the following types of tickets and cards:
  - Short term parker ticket
  - Season parker card and debit card
  - Function card
  - Congress ticket
  - One-use ticket
  - Lost ticket
· Simple and clear creation of card and ticket properties
· "Producing" (issuing a card) and "creating" (producing customer-card linkage)
· Tariff module for car park-specific tariff configuration
  - Tariff lists
  - Weekday-dependent tariffs
  - Time-dependent tariffs (e.g. day/night)
  - Definition of maximum and fixed amounts

· Integrated browser for web-based presentation of key business data:
  - Cash book
  - Key operating report
  - Protocols
  - Occupancy report
· User authorisation as protection against unauthorised access, user-dependent rights management
· Remote maintenance via ISDN modem or VPN without negative effects on the current operation

Options
· Various modules for extending the functional scope of the Basis Edition

System requirements software
· Operating system: Microsoft Windows 7 with Internet Explorer version 7 or later

System requirements hardware
Minimum:
· Processor: Intel® Pentium® 4
· Clock frequency: 3GHz
· Internal memory: 1GB
· Graphics card: min.1024x768 pixel true colour
· Hard drive: 80 GB

WinOperate software module	Basis edition	Premium edition	Individual option available
Monitoring and controlling the parking system and devices	•	•	
Parking swindler detection (anti pass-back), system-wide recognition of parking swindler tickets at all the devices	•	•	
Season parker processing, creating/producing cards, renewing at APS, MPS, DBS	•	•	
Credited season parkers	•	•	
Customer-related counting for limiting the simultaneous utilisation of season parker cards		•	•
Debit card processing, creating/producing cards, additional payment, charging at APS and MPS	•	•	
Congress tickets, creating/producing cards, additional payment	•	•	
Value/Time cheque processing, payment with one or several value/time cheques as additional insert card *		•	•
Function card set, personalised cards for activating functions, renewal at DBS	•	•	
Lost ticket, creating at APS and MPS *	•	•	
Releasing/Blocking at APS via WinOperate *		•	•
Releasing at APS via WinOperate with the price *		•	•
One-use ticket at MPS	•	•	
Prepaid ticket at MPS	•	•	
Theatre tariff, for the payment of short term parker tickets for events immediately after entering the car park			•
Hotel ticket, for recoding short term parker tickets as a congress ticket, with special tariff			•
Replacement ticket, creation directly at MPS	•	•	
Creation at APS via WinOperate		•	•
Special income at MPS	•	•	
Special tariffs at MPS		•	•
Tariff switch card, additional insert card for switching the tariff to another short term parker tariff *			•
Key business data, cash book, key operating report, occupancy report, technical lists (alarms, system and device status)	•	•	
Throughput statistics		•	•
Time slot statistics		•	•
Turnover statistics (turnover according to payment type)		•	•
Debit card balance			•
Ticket tracking, for tracking individual parking procedures		•	•
Credit card processing CC/EC *			
Payment of the credit/ec card at EXT, APS, MPS		•	•
Utilisation of the credit/ec card as season parker card		•	•
Utilisation of the credit/ec card as short term parker ticket		•	•
Provision of a country-specific accounting file for CC/EC or online verification of CC/EC		•	•
Proximity card processing (RFID smartcard) *			•
Hands-free card processing (EasyMove) *	•	•	
Tariff module, for car park-specific tariff configuration of tariff lists, limits, flat rates. Including tariff test module	•	•	
Public holiday tariffs		•	•
Early hour		•	•
Early bird		•	•
Export/Import of customer and card data		•	•
PiP function, function "car park within a car park"		•	•
Connection to parking guidance systems			•

* Some functions require special hardware