# COMFORT PARKING

## Managing your carpark with a ticketing system

Comfort Parking is an extremely flexible and budget-friendly parking system with barcode-tickets or season-tickets to control your carpark.

### No data cables
In the Alphatronics Comfort Parking system, the entry station, the ticket unit and the exit station do not communicate with a central controller.
- Easy installation

### User-friendly
- No complex software
- Automatic adjustment of the winter/summer time

### Unlimited expansion capabilities
- The number of entrances and exits within one system is unlimited
- Using a barcode-scanner at the gate you can grant access to your visitors to a secured parking lot outside the opening hours

### Validation Systems
- ParCom Printer
- Stand-Alone ticket generator
- External POS systems (Toshiba, Wincor, ...)

### Hardware expansion capabilities
- Cardreader
- Intercom
- 2D barcode reader
- Barrier with safety loop
- Traffic island
- LED traffic light



in  validation  out

### Option – Parking GPS synchro · Date and time synchronisation via GPS.
Correctly synchronised date and time are of crucial importance in time-based parking systems.

A GPS receiver synchronises the UTC (Coordinated Universal Time) time.
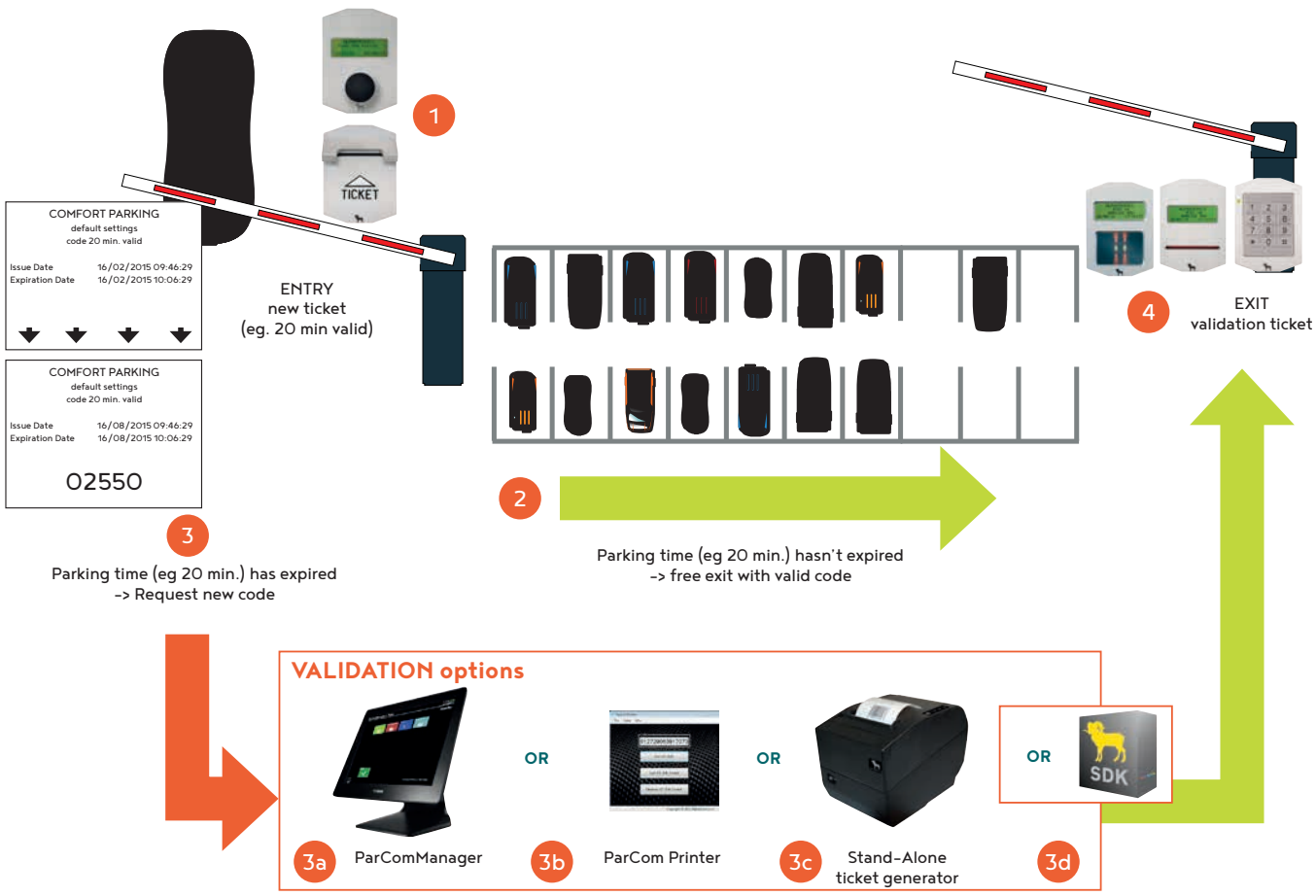
Local time is then calculated from this.

### Validity of tickets:
- Algorithm 1 – Numeric Code: validity up to 24 hours, possibility of programming of fixed codes.
- Algorithm 2 – EAN 13 Barcode: validity up to 35 days*
- Algorithm 3 – CODE128 Barcode: validity up to 366 days*
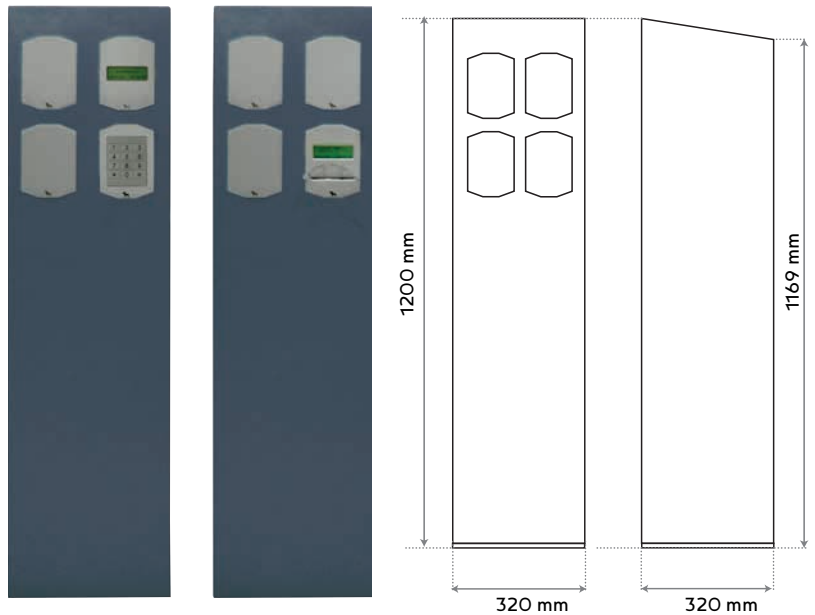
* Depending on which validate unit

ALPHATRONICS
innovators in access technology

# Parking scenarios

**COMFORT PARKING**
default settings
code 20 min. valid

Issue Date      16/02/2015 09:46:29
Expiration Date   16/02/2015 10:06:29

**COMFORT PARKING**
default settings
code 20 min. valid

Issue Date      16/08/2015 09:46:29
Expiration Date   16/08/2015 10:06:29

**O2550**

**1** ENTRY
new ticket
(eg. 20 min valid)

**3** Parking time (eg 20 min.) has expired
–> Request new code

**2** Parking time (eg 20 min.) hasn't expired
–> free exit with valid code

**4** EXIT
validation ticket

## VALIDATION options

**3a** ParComManager    OR    **3b** ParCom Printer    OR    **3c** Stand-Alone ticket generator    OR    **3d** SDK

## Comfort Parking References:

DELHAIZE   Carrefour   Intermarché   LIDL   ALDI   MATCH   sma+ch supermarché   flanders expo   BURGER KING   Mr. Bricolage   makro Cash & Carry Belgium   C&A   jbc   Vanden Borre   Tom&Co

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**1 Entry**
- The user pushes the button and receives a ticket encrypted with date and time
- The barrier opens
- After passage of the vehicle the barrier closes

**2 Parking time ≤ 20 min (free exit)**
- The user presents the ticket at the exit station.
- Barrier opens
- After passage of the vehicle the barrier closes

**3 Parking time > 20 min**
- 4 options to validate:

**3a Parcom Manager**
- The user receives a coded ticket for the exit, or receives a subscription

**3b ParCom Printer**
- The user receives a coded ticket printed by ParCom software on a Windows desktop printer

**3c Alphatronics Stand-Alone Ticket-Generator**
- The user receives a codated ticket by pushing the button at the ticket-Generator

**3d Alphatronics SDK**
- For integration of different POS systems with our hardware

**4 Exit**
- User presents the ticket at the exit station.
- Barrier opens
- After passage of the vehicle the barrier closes

## Hardware

- 1.2 m high CubeLine operating terminal
- Standard colour: RAL7016 (anthracite)
- OctoLine push button with display (entry column)
- OctoLine ticket printer (entry column)
- OctoLine barcode reader/swallower (exit column)



## GPS Antenna

- Mounting: Surface mounting
- Water resistance: IP67
- Cable length: 150 cm
- Connector: SMA-male
- Receiving signals: GPS
- Function: antenna for use in combination with the synchronization module



## Synchronisation Module

- Housing: plastic
- Supply voltage: 12-24Vdc +-10%
- Mounting: Din-rail mountig
- Water resistance: indoor use
- Article number: GPS antenna + Synchronization Module 1-040601-0001-000-000-00



## Comfort parking manager

- Registration options:
  - Financial
  - Tickets
  - Authentication
  - POS count
- Ticket design: customize different types of tickets according to customer needs
- Voucher Ticket System
- Configure type of tickets itself:
- Single validity of ticket

- Subscription with fixed or dynamic duration
- Print multiple tickets (eg for a conference)
- Validation of tickets based on pay tables
- Grant discounts possible
- Numeric and barcode tickets possible