TEMPO
PAY & DISPLAY SYSTEM

Tempo integrates different technologies that make it possible to meet the needs of the different parties involved: the owner, the operator and the end user. It comprises of the following elements:

- Tempo Pay & Display machine
- Surveillance system for Operators
- Central management software.
- Other added-value services, including integration with other systems

TEMPO PAY & DISPLAY MACHINE

The Tempo Pay & Display incorporates the features demanded by today's market and the very latest technology to give an effective response to future needs:

- Ergonomic, easy-to-use and stylish machines adapted to the urban environment
- Robust stainles steel cabinet construction which is weather and vandal proof
- Access points secured by electronic locking and real-time authorisation
- Accepts multiple payment methods (coins, notes, EMV credit/debit cards, etc.)
- Can be personalised to suit the specific applications required by the operator

SURVEILLANCE SYSTEM FOR OPERATORS

This offers the ideal tool for controlling parking areas using Smartphones, with a permanent connection to the mobile Communications Network.

The Operator can use the application software to verify the authorisation status of parked vehicles in an intuitive, user-friendly manner for the different usage formats (control of residents, forced rotation, etc.). Important utilities such as imposition of fines and sending of information on the status of machines, are also made possible.

CENTRAL MANAGEMENT SOFTWARE – TEMPO ENTERPRISE

The management system uses suitably protected hosted software and web access that permit access and interaction from any computer, anywhere in the world, with the following salient points:

- View of controlled areas and status of Pay & Display machines as objects in the GIS of your choice: Open Streets, Google Maps, Yahoo! Maps or Bing Maps.
- Configuration of the functional parameters of the Pay & Display machines (schedules, tariffs, payment methods, etc.).
- Creation of reports and statistics (accounting, statistical, alarm or intervention lists, etc.).
- Monitoring of the operational status of each parking meter in real time, using any device (computer, PDA, Smartphone or tablet) that is connected to the Internet.
- Real-time validation (online) of different transactions such as credit payments, fine cancellations, forced rotation.

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ADDED-VALUE SERVICES

The characteristic that sets Parkare apart in this industry is its ability to carry out tailor-made projects for integration with other elements of a city's transport infrastructure.

This capacity for integration means that a Pay & Display machine can be used, for example, as a service point for a city's bicycle transport program; it can be integrated with a system giving information regarding on-street occupancy; or it can be used as a city information post or emergency warning point.

TECHNICAL DATA

MECHANICAL
- Height: 1785 mm
- Width: 370 mm
- Depth: 290 mm
- 2.0mm thick stainless steel plate
- Finished with oven dried polyester powder paint
- Optional anti-graffiti coating layer
- Anti-leverage doors 8/12 anchor points (top-maintenance / lower-cashbox)
- Polycarbonate display window - fire resistant and unbreakable
- Capacitive anti-vandal keyboard
- Fastenings between the body of the machine and pedestal accessible only internally
- Modular design for easy replacements of components and testing

OPERATING ENVIRONMENT
- Temperature: -10 ºC to + 55 ºC.
- Maximum relative humidity: 90% non-condensing.

POWER
- Battery: 12V, 24Ah and integrated solar panel of 10 W

PRINTER
- Printer with long life head.
- Standard ticket of 57 mm. fixed-width and variable length between 95 and 124 mm.
- Ticket is sheltered from wind and rain during and after emission.
- Tickets supplied in rolls of 3,000 tickets.
- Ticket issue time of 2.5 seconds.
- Detection of end of roll and low level ticket stock.

CARD / TICKET READER
- Anti-vandal protection.
- EMV Reader (Europay, Mastercard, Visa) advanced as PCI -PTS 3.0 standard and software RedSýs 4.0 protocol.
- Blacklists support, reloading, mixed payments and saving of all transactions.
- Proximity reader (contactless) payment card and subscribers, which meets the standards ISO 14443 A / B, PayPassTM MasterCard, Visa and contactless and EMV cards PayWaveTM (optional).
- Barcode reader (optional).

COIN ACCEPTOR
- Programmable opening and closing shutter (vandal protection).
- Pre-paid system: return of the same coin in case of cancellation of the operation.
- Accepts up to 15 different currencies. Detection opto electronic and magnetic devices detecting physical characteristics (string detection and anti-lead).

COIN BOX
- Capacity approx. 5.5 litres.
- Collection by exchange method. The coin box is self-closing when removed.
- Configurable collection tickets (voucher or total). Query functions.
- Optional inclusion of a black box to control access to the collection.

INFORMATION
- Hierarchical access levels to operational, management and financial data including configurations (e.g. tariffs)

DISPLAYS
- Backlit Display Operation colour TFT 5.7 "QVGA (320 x 240).
- Display time graphic 48 x 16 mm. Displays the time in 4 digits of 9 mm height.
- Configurable to show 12 or 24 hour time format.

INDICATORS
- LED indicators showing status of the machine which can be viewed from a distance by operator..

COMMUNICATIONS
- Bidirectional: downloading of lists, configurations and software; reception history, alarm and maintenance requests.
- Shipping operations and transactions in real time.
- Double GPRS configuration which enables the operator SIM change without modifying the initial configuration.
- Standard : GPRS (2.5G)
- Optional: CDMA (3G) and Bluetooth.
- Mobile data capture equipment (EMC) PSION.

FUNCTIONS
- Capacity 8 MB of internal memory, 32 MB of Flash memory and SD card option for maintenance.
- Capacity 10 different rates of any type (table, annulment, resident, etc. . .), All streamable.
- Extensive configuration possibilities: schedules, holidays, fares, cards, hardware parameters, etc. . . .
- Menus of operation for testing, initialization settings, queries, etc.
- Alarm history and intervention.

SOFTWARE AVAILABLE
- Tempo Enterprise. Basic package management and configuration for any Windows platform.

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