

# STRADA EVOLUTION

Your gateway to a comprehensive range of sales, payment and information solutions

## STRADA TERMINALS – TECHNICAL FEATURES

|                 |   |                           |   |
|-----------------|---|---------------------------|---|
| Outer casing:   | Anti-corrosive steel  | Power consumption:        | <0.5mA in standby mode  |
| Size: (HxWxD)   | 1544 x 290 x 311mm<br>ADA/DDA compliant<br>Ground mounting pedestal permits a variation of terminal height, up to an additional 137mm   | Security:                 | Money storage certified by EN 14450<br>Level 2 attack detection   |
| Weight:         | 90kg  | Options:                  | Door open detection<br>Power tool attack detection<br>Additional shieldings   |
| Colours:        | Sterling gray, titanium grey, moss green, magic blue, jet black   | Ticket:                   | Thermal graphic printer<br>Horizontal or vertical printing<br>Text and logo<br>8 points per mm per line<br>448 points per column<br>Paper or self-adhesive tickets<br>Standard format 60 x 70mm<br>Capacity – up to 6,500 tickets |
| Temperature:    | -25°C to +55°C  | Communication:            | GPRS modem  |
| Humidity:       | Up to 95% at 55°C   | Accessibility:            | ADA/DDA compliance to address disability requirements<br>(PrCEN15291 & various national standards)  |
| User Interface: | Greyscale graphic LCD module<br>Module dimensions: 101 x 70mm<br>Module resolution: 160 x 80 dots<br>Up to 6 lines of 20 characters<br>Static area on permanent display (time/date)<br>Capacitive keyboard<br>3 standard versions (pay&display/pay by plate or pay by space)<br>Customisation available   | Environment:              | More than 95% recyclable<br>(ISO 22628)<br>European directives – RoHS and WEEE<br>CE mark   |
| Payment:        | Coin selector –<br>Automatic opening upon coin insertion<br>patented motor-driven coin selector: max 14 different types of coins or token (programmable)<br>multi-criteria coins identification<br>Cashless version –<br>Contact & contactless payment kits: smartcards & bank cards, EMV 2000, PCI PTS, Mifare, ISO 14443, NFC   | Rapide collection system: | Patented  |
| Collection:     | 2 collection methods –<br>• Transfer – fixed cashbox with removable canister<br>Weight – 1.5kg empty; approx 22 kg full<br>Volume – 5.81<br>• Rapide – exchangeable cashbox:<br>Size – 169 x 146 x 290mm<br>Weight – 1.6kg empty; approx 19.6 kg full<br>Volume – 4.61<br>Resistance to shock – IK10<br>Coin storage capacity – 2,000-3,000 coins depending on their size and mix |                           |   |
| Power supply:   | Solar or 230V mains   |                           |   |

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Standard and customisable alpha-numeric keyboards available

Accepts coin, card and contactless payments

Barcode reader – entry of information permits discounts





# STRADA EVOLUTION PARKING TERMINAL

**The Strada is based upon Parkeon's NEOPS™ electronic platform and is designed to provide Operators with the very best equipment for successful parking management.**

It supports the most recent innovations, including the first integrated Chip & PIN/contactless card readers approved by the UK banking industry for use in parking applications. This solution is available both as original equipment and as an upgrade for existing terminals.

Combining processing speed, power, autonomy, reliability and security, the NEOPS platform enables the Strada to support a wide range of innovations in terms of functionality.

## SECURITY FEATURES

### Compact structure resistant to vandalism and fraud

- ▶ Steel outer casing.
- ▶ Double-walled cashbox, armour-plated safe (highly resistant to physical attacks and theft).
- ▶ Separate access to cash and maintenance compartments.
- ▶ Sealed, self-contained and compact coin channel and selector – upgraded to accept new £1 coin.
- ▶ Highly secure system protected against fraudulent access to sensitive data.
- ▶ Remote detection of physical attack.

### Highly secure locking mechanisms for access to compartments

- ▶ Access to the exchangeable cashbox is protected by an electronic lock on the Strada Rapide model.

### Highly protected against fraudulent access to sensitive financial data and theft of stored cash revenue

- ▶ Coin vault conforms to Safe Resistance Standard EN 14450 Level 2.

## RECOGNISABLE USER INTERFACE

### Consistent and coherent with universal and familiar point-of-sale user transactions

- ▶ Accepts coin, debit or credit cards and contactless payments.
- ▶ Designed for easy and intuitive payment.
- ▶ Non-protruding PIN pad, non-swallowing slot, where card remains visible throughout the entire transaction, tamper proof, resistant and responsive.
- ▶ Gives end users confidence as they have control of their cards throughout transaction.
- ▶ Secure maintenance compartment access – card, code and optional e-lock.



## ERGONOMICS

Strada has been carefully designed to best facilitate the end user experience with menu driven operations. The Strada Evolution offers 3 standard types of capacitive keyboard – pay and display, pay by plate or pay by space.

### User-friendly interface with a wide, greyscale graphic screen

- ▶ Transactions guided by a combination of text and icons.
- ▶ Up to 6 lines of text can be displayed on screen – allowing you to display the fees on screen. Tariff labels can then be used to display additional information.
- ▶ Specific downloadable screen menus for ease of selection and conveying information.

### Programmable graphic print areas on tickets

- ▶ Logo and advert printing: the ticket becomes an additional form of communication.

### Readily accessible for people with reduced mobility

- ▶ User controls contained within an easily reached 23cm high area. Position from ground adjustable to meet the requirements of the Equality Act standards.

## REDUCED MAINTENANCE COSTS

- ▶ Fees and customer information fully downloadable on site.
- ▶ Reloading/reprogramming of terminal software using portable electronic module.
- ▶ Retains operational historic data during maintenance.
- ▶ Trouble-shooting/diagnostic software.

## ENVIRONMENTALLY FRIENDLY

With the exceptional performance of its solar panel and carefully managed low power consumption, the Strada terminal is completely self sufficient in terms of its power requirements, so no costly mains or support communications cabling is required. The Strada solar can make a positive contribution towards reducing your operational “carbon

footprint” and, of course, meets all European directives on the removal of hazardous substances during the manufacturing process (RoHS). The Strada is over 90% recyclable.

## REMOTE MANAGEMENT

Strada terminals are highly versatile in their mode of operation. They can be deployed to operate in full autonomous mode, or be connected, via our wireless gateway, to provide a wealth of remote management support, services and solutions. Parkfolio™ is our back office management solution and provides a highly comprehensive range of connectivity, management services, support facilities and ticketing solutions.

For example:

- ▶ Monitor, track and manage payment compliance and generate financial reports.
- ▶ Download tariffs and customer information to terminals.
- ▶ Download new ticket designs to terminals, e.g. to carry advertising.
- ▶ Monitor equipment alert and fault status, consumables, maintenance (tickets and batteries), collection route planning.
- ▶ Send SMS maintenance/attack alarms to nominated service or security organizations.

## PAYMENT

The Strada offers a wide range of payment methods, providing end users with maximum flexibility of payment.

- ▶ Coin payment – highly reliable and patented selector design.
- ▶ Provides a highly secure payment gateway to payment service providers and banks.
- ▶ Highly secure bank card payment (credit and debit card) with PIN entry regulated by EMV 2000, PCI PTS, PayPass™ and payWave™.
- ▶ Contactless payment – end-users can simply wave and pay.
- ▶ Prepaid cards.

There is a seamless transition between contactless and Chip & PIN procedures as drivers are occasionally required to provide their PIN during a contactless transaction.



Alternative  
methods for  
easy  
collection

Strada Rapide  
(exchangeable  
cashbox)

Strada Transfer  
(fixed cashbox with  
removable canister)

- ▶ Alternative methods available: transfer or exchangeable coinbox.
- ▶ Highly secure key access to cash compartment.
- ▶ Fast and safe removal and replacement of coinboxes (Rapide version only).