

INTRODUCING THE NEW ORION^{XR}

Orion^{XR} - A smart and effective decision!

ORION^{XR}

To maximise profits
and minimise costs in
professional parking
environments you need the
most reliable, advanced and
flexible systems available.

That's why Orion^{XR} is a
major step forward.



WHY ORION^{XR} IS A STEP FORWARD

STYLISH, FLEXIBLE, RELIABLE AND SECURE

Zeag has put 50 years of experience in maximising profits from parking into the Orion^{XR}. We think it was worth it!

Fast

Orion^{XR} entry and exit machines are fast – up to 500 vehicles an hour. Pay stations handle up to 350/hr and the large 8” screen makes them easy to use. That means no queues and more payments!

Flexible

Orion^{XR} is designed to integrate with existing Ethernet networks (for CCTV, LPR etc.) using TCP/IP, significantly reducing cabling costs and increasing flexibility of deployment.

Easy to maintain

The Orion^{XR} Pay Station has 6 high capacity recycling coin hoppers (most have 4) – 45% more capacity than Orion. That means more change and fewer visits to top it up. The wide variety of payments accepted reduces cash usage so emptying is less frequent too. Easy ticket refilling and instant fault reporting means fewer checks on the machine – it just works!

“We were surprised after the trials at how much more money it made us”

Secure

Sensitive data is encrypted at peripheral level (during processing as well as on the database) and Orion^{XR} machines are validated by VISA for CISP Best Practices (1.3). Orion^{XR} has excellent physical security and reliable and hack-proof software. No point in making money if you lose it!

Stylish

The stylish Orion^{XR} cabinets can easily be branded to suit your venue and have highly visible advertising and pricing panels.

Reliability and Support

With high revenues every moment of downtime is potentially catastrophic. Based on proven Orion technology, Orion^{XR} is swiss-made and rock solid in reliability, designed for a low total cost of ownership, not just a low initial price. Our support team is dedicated to providing the sort of response parking operators require. That’s fast! Our confidence shows in our guaranteed revenue arrangements with for some of our larger customers – if their machinery stops making money we pay!

ORION^{XR}

AUTOMATIC PAYMENT STATION

A MAJOR STEP FORWARD IN PARKING PAYMENT

The Orion^{XR} Pay Station is a comprehensively flexible unit capable of working independently or as part of a ZMS network system. A variety of ISO standard cards and tickets are accepted through the station's single slot making transactions user friendly and effective.

Custom tariffs and a wide range of payment methods (coins, bank notes, credit card, debit card, value and city card or electronic purse) facilitate and allow secure and fast payment transactions. The Orion^{XR} Pay Station is capable of proficiently serving one or a number of car parks and taking up to 350 payments per hour (according to payment methods and equipment configuration).



KEY FEATURES AND TECHNICAL DATA

Controls and Housing

The cabinet's improved design allows optimum use of space and has a robust, corrosion-resistant housing. Controls are arranged in sequence by transaction occurrence for practicality and efficiency. The LCD display ensures a clear and legible view of user information even under poor lighting conditions. Assemblies are easily accessed for straightforward service and maintenance.

Payment Methods

The OrionXR Pay Station securely accepts a vast range of payment methods including coins, bank notes, prepaid cards, bank cards, credit cards, smart cards, pre-coded credit tickets and tokens. Change is returned according to the station's specification either by coins and/or bank notes. The station's self-replenishing coin processing system checks

and sorts up to 6 different coin denominations; bank notes are checked by a bank note accepting system and can recycle up to 3 different denominations.

Security

The OrionXR Pay Station is protected by a multi-level locking system for maximum security. Multiple copies of the coded information are stored on the magnetic stripe to maintain excellent media readability. Segmental evaluation of data blocks and error correction logic guarantee high operational security. Fraudulent media with false and/or insufficient data are detected, rejected and retained by the system; similarly tickets that have not been taken by users are retrieved and retained. Transaction data is stored with power failure protection by means of a buffer battery for maximum security and data protection.

User Interface

Multilingual display for user instructions
Flashing push buttons and illuminated ticket slot
Quick change inserts for accepted coins/notes & tariff information
Remote support

Product Features

Coin and note payment & change or cashless payment
Prepayment of tickets
Replacement ticket issue
Reloading of magnetic & RFID value cards
Stand alone operation or online with management system

Hardware Description

Aluzinc cabinet, RAL 9006 white aluminium
Polyurethane front panel, RAL 5013 cobalt blue
LCD (4x20 characters) or colour TFT (10,4" VGA; 8" visible)
UCD with thermal printer
Recycling coin system with 5 tubes or 6 hoppers
Bank note verifier with intermediate cash till and stacking safe or bank note recycler
Bank note dispenser with 2 or 3 cassettes
Peripheral computer with RS232, RS422 and TCP/IP interfaces and zero potential inputs and outputs
Heating/ventilation with thermostat
Multi-level security system
Thermal paper receipt printer

Technical Data

Ambient temperature: 0-40°C in protected (roofed) environment
Power supply: 110 and 230 VAC +/-10%, 50/60 Hz
Load: 300 - 450 VA; Heating: 550 VA
Weight: approx. 170 kg (incl. standard plinth)
WxHxD: 880x1700x577mm (incl. plinth)



Professional Parking Solutions

ORION^{XR}

ENTRY, EXIT & LANE SECTION CONTROL

LANE ENTRY - LE, LANE EXIT - LX, LANE SECTION CONTROL - LS

Orion^{XR} Lane Stations can function as Entry, Exit or Section Control Stations, giving a high level of flexibility, working separately or as part of a Zeag network system.

The ergonomic, lean-back design of the cabinet assists users in positioning their vehicles, improving reach and manageability.

Tickets are magnetically coded and can be automatically issued as the vehicle approaches the unit or by the user pressing a ticket button or inserting a card. The station can securely verify the validity of contract parking cards.

Stations are capable of handling up to 500 vehicles per hour.



KEY FEATURES AND TECHNICAL DATA

Functional design

The cabinet's improved design allows optimum use of space and has a robust and corrosion resistant housing. The LCD display ensures clear and legible view of user information even under poor lighting conditions. Assemblies are easily accessed to make service and maintenance straightforward.

UCD write/read unit

Zeag has specifically designed, engineered and developed the Universal Card Device (UCD) for parking applications. It guarantees fast and smooth processing of all magnetic stripe mediums, from paper ticket to any

ISO coded media using a single insertion slot. Advanced thermal printing technology is used for clear

text printing. The optimal design and small number of mechanical parts contribute to performance reliability and minimal maintenance requirements.

Security

Multiple copies of the coded information are stored on the magnetic stripe to maintain excellent media readability. Segmental evaluation of data blocks and error correction logic guarantee high operational security. Fraudulent media with false and/or insufficient data are detected, rejected and retained by the system. Tickets not taken by users are retrieved and retained.

Transaction data is stored with power failure protection by means of a buffer battery for maximum security and data protection.

User Interface

Multilingual display for user instructions
Flashing push button for ticket request (LE) and illuminated single slot for ticket insertion, issue and receipt
Remote support and guidance to user via intercom

Product Features

Magnetic stripe ticket and receipt issue
Read after write and anti pass back control
Retraction of alarm tickets and retention of invalid cards
Ticket payment with credit card and discount tickets
Parking and payment with credit cards and stored value cards
Contract parking with ISO cards or proximity badges
Hands free parking with long range RFID tags
Barrier gate control
Stand alone operation or online with management system

Hardware Description

Aluzinc cabinet (RAL 9006 white aluminium)
Polyurethane front panel (RAL 5013 cobalt blue)
Intercom with call button with load speaker
High Contrast LCD Display (4x20 characters)
UCD write/read unit for tickets, credit cards and season passes
Peripheral computer with RS232, RS422 and TCP/IP interfaces and zero potential inputs and outputs
Heating/ventilation with thermostat
Ticket collector / Ticket box holder for 4,500 tickets
Safety lock

Technical Data

Ambient temperature: Standard: -20 to +40°C , (optional: -30 to +55°C, roofed or unroofed)
Power supply: 110 and 230 VAC +/-10%, 50/60 Hz
Load: 100 VA ... 170 VA; Heating: 350 VA
Weight: approx. 52 kg (incl. standard plinth)
WxHxD: 410x1250x387mm



Professional Parking Solutions

ZEAG - THE PARKING PROFESSIONALS

“THE MOST COMPETENT SUPPLIER OF PARKING PRODUCTS”

One of the best customer feedback comments we ever had was “It just works”. Zeag is a specialist in parking – our business stands or falls on providing better parking solutions. Our vision is to be the most competent supplier of parking products worldwide. So who are we and how do we achieve that aim?

Zeag specialises in revenue-generating parking and control solutions and is one of the world’s largest international manufacturers, with over 4,500 successful installations across more than 23 countries on 5 continents. Zeag began providing car park and revenue control systems in 1952 and has led the market in innovation and professionalism since. Headquartered near Zurich, products are made in Switzerland to extremely high standards and with the support expected of a major European manufacturer. Now part of the international Hallmark Group, Zeag has subsidiaries in many major markets, including the UK. The new Orion^{XR} will ensure we continue to lead.

Consultative Approach

We work with our customers and bring our extensive experience to bear to help you to find the right products to benefit you over the long term, cost the least to run, please customers and provide you with the most revenue. We are happy to be involved at the design stage of new projects, or simply to advise on the best way

forward from existing installations. We ensure that products are networkable to maximise the benefits across multiple sites and give excellent reporting, yet be standalone (should you sell the site, for example). We also provide fast response support and skilled maintenance and training.

Integrated Solutions

Zeag has made a worldwide name for Payment facilities. The group also includes a long-established expert company in security solutions including Entry & Exit Control, CCTV, Carpark Monitoring, Carpark Management Systems, Licence Plate Recognition, Barriers and Entrance Control Systems and we have now put these together under the Zeag brand. This gives us an integrated solution with in-house experts in each key element and competitive pricing across the board. It also creates an integrated single source for expert support.

Solutions for Your Business

Our expertise extends into many sectors including:

**Retail
Health**

**Local Authorities
Leisure & Stadiums**

**Hotels
Transport**

and we also have specific programmes for multi-site carpark operators and for construction companies.

Ask our Customers

We have a host of excellent sites using Zeag equipment who will share their enthusiasm for our skills and products.



Professional Parking Solutions

SUPPORT (for customers, machines & the environment)

Car parks are harsh environments and the world's best machinery can quickly turn into useless junk if not properly maintained or supported.

Ease of Use

We know that turnover of parking staff is high, staff are multi-tasked and technical competence limited. Our machines are designed to ensure ease of use, minimal training and simple replacement of consumables when necessary.

Excellent Support

We back this with more than 30 engineers covering the country, available 366 days of the year, 24 hours a day. A recent survey of customers found a 96% satisfaction rate. We have factory trained product specialists and direct access to the Group supply and development centre for complex problems. We also keep extensive UK part and consumable stocks.

Telephone Support, Updates & Information

We run a regular Technical Tips bulletin to assist managers in keeping up to date with parking solutions and also sharing knowledge of best practice. We work with customers to help them with their consumables ordering, ticket advertising and other key issues. Our telephone help team is always on hand to help with problems and advice.



Expert Training

We run comprehensive training at all levels as part of our Zeag Academy. Operator training is simple and quick, carried out on site when equipment is installed or at our facilities or on-site for new staff. For Site Managers we provide comprehensive training covering many tasks they face generally, not just how to work with our equipment. We are also happy to work with car park operators, constructors, specifiers and other interested parties to help create and specify better parking solutions.

Improve your Carbon Footprint

We are all under pressure to improve our carbon emissions but 20% of vehicle emissions is reportedly down to car parking. As a responsible European manufacturer, Zeag is at the forefront of improving this. Improving entry and exit and reducing the time spent looking for spaces through better system design makes car parks more environmentally friendly and customer focussed. Our machines are made in Europe, rather than shipped around the world, made to last significantly longer than most, utilise the maximum amount of recyclable materials and are disposed of under the WEEE directive at end of life. While car park tickets cannot be recycled due to the magnetic strip, Zeag tickets are made from recycled paper and we carbon offset their production. We are currently working on a system to charge for parking according to carbon emissions which should be ready for release in 2009.



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