

## APP 3100 Entrance Station

### Features

- Standalone or online via industry standard Ethernet TCP/IP 128-bit encrypted communication, as part of the APP 3000 revenue and access control system.
- Based on powerful Linux® and Java™ technologies which enables implementing advanced features like real time video and audio processing.
- Credit card size magnetic stripe tickets.
- Bi-directional ticket transport mechanism with ticket capture capability.
- Pushbutton or automatic ticket issue. Large, illuminated ticket request button flashing when active.
- Large backlit graphic LCD screen with programmable, easy to understand messages.
- Built-in customer service intercom.
- Automatic ticket retraction for uncollected tickets. Retraction box for 200 tickets.
- Reports stolen tickets to the APP 3000 system server for automatic invalidation and tracking.
- Barrier gate vend or sliding/roll-up door vend signals.
- Lot full system input and output integration.
- Part of a powerful access cards control system with no limit for the number of cardholders or a maximum physical card number, carpool and group parking, unlimited numbers of security access levels, time restriction codes, number of groups and number of group criteria.
- Real time clock with rechargeable backup battery.
- Internal test dispense button.
- Prints on the entire length of the ticket; the print-out can be adjusted to any position.
- Prints and encodes the issued ticket with: ticket number, date and time of issue, machine number, fee rate, optional discount rate.
- Built-in vehicle and gate counters.
- Built-in lane audit reports.
- Power down time elapsed reporting.
- Large nonvolatile data buffer for thousands of event records.
- Standalone or remote online programming.
- Capable of reading and writing ISO1, ISO2, ISO3 and ISOC magnetic stripe tracks from 75 to 210 bpi; low, medium or high coercivity
- Hinged top cover opens up allowing easy access to the ticket transporting mechanism.
- Dual side access doors provide easy access to ticket bins and to protected service and wiring panels.
- Utility lights.
- Thermostat controlled heating and ventilation.
- Weather resistant design.



APP3100 is located at the unattended entrances of a parking facility. With its innovative design, APP3100 is capable of processing transient magnetic stripe tickets, magnetic stripe access cards, contact-less access cards, IC smart cards, RF hands free access tags and credit cards. The issued ticket is printed and electronically encoded with all necessary information for automatic or manual fee calculation. APP3100 supports the industry standard Ethernet TCP/IP communication which allows seamless integration in any type of small or enterprise network including wireless and Internet connectivity.

### Options

- Built-in image processing and video capabilities with built-in surveillance camera.
- Built-in real time speech synthesis and audio playback capabilities.
- Programmable voice announcement.
- Built-in module for processing contact-less access cards in the front panel.
- Separate monthly access card console with reader and customer LCD screen when automatic ticket dispensing is in use - placed 10ft. from APP3100.
- Second access card reader port with a separate gate vend signal.
- RF access tag processing.
- Credit card processing. Ticket-less credit card in/credit card out capability.
- Multi-language screen and voice messages.
- Entry prepay mode for events and conventions.
- Valet parking operation with multipart tickets.
- Bright external message display for garage FULL or custom messages.

## Ticket Issue

APP 3100 issues tickets by customer's request or automatically when a vehicle is detected. The customer is provided with easy to understand visual and voice messages to help minimize traffic congestions. The ticket request button is illuminated and flashes when active. The ticket dispense slot is also illuminated and flashes when the ticket is ready to be taken. In online mode the ticket information is instantly reported to the APP 3900 parking management server.

## Ticket Recall

Detects vehicle direction and reports all back-out tickets to the server for immediate invalidation thus eliminating illegal use of stolen or uncollected tickets.

## Integration

The Ethernet TCP/IP communication allows integration in existing small or enterprise networks including wireless and Internet which tremendously reduces operational and management cost.

## Remote Programming

All station's parameters are fully online programmable including voice messages upload and software updates. This allows greater flexibility and lowers the operation and maintenance cost. In case of Internet connection to the APP3000 system, remote access eliminates the need of field trips to collect data or change the configuration.

## Ticket Transport Mechanism

Capable of processing standard credit card size ISO7810 fan fold tickets - cutting, magnetic encoding and impact printing. Ticket capture capability. Supports reading an writing ISO1, ISO2 and ISO3 magnetic tracks from 75 to 210 bpi; low, medium or high coercivity.

Impact 9 pins print head prints up to 40 alphanumeric characters. The printing line is manually regulated at any position. Self sharpening rotary cutter for fan fold ticket stock, thickness range from 0.16 to 0.23 mm.

## Electrical

120V AC, 60 Hz / 10 Amp max.  
220V AC, 50/60 Hz / 5 Amp max.

## Environment

Temperature: -15F ~ 125F  
-26C ~ 52C  
Humidity: 10% ~ 95% non-condensing

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## Video Monitoring

With an optional camera installed, each transaction can be mapped to a picture snapshot providing valuable information for preventing car theft. The picture snapshot is shown to the cashier at the APP 3400 Fee Computer station when the fee is calculated. The camera can also be used for 24h surveillance purposes eliminating the need of costly coaxial cabling through the entire parking facility. In case of an Internet connection to the APP 3900 server the video is also transmitted over the Internet.

## Real time speech synthesis and audio playback

APP3100 provides the patron with audio instructions during normal operation or in case of unusual events. APP3100 supports real time speech synthesis and can play text messages distributed by the system server. This makes possible playing custom messages for a particular patron. For example - saying a monthly patron's name when entering/exiting the garage, reminding the monthly patron when a payment due is coming, and even saying customized happy birthday wishes and playing music. Such features dramatically improve the garage appearance and put a personal touch in the patrons' overall parking experience.

## Access Card System Integration

- No limit for the number of cardholders or a maximum physical card number.
- All industry standard proximity card formats are supported and can coexist in a common access system.
- Anti pass back feature for the monthly parkers.
- Carpool/group parking with different restriction criteria - maximum number of vehicles in the garage, group time restriction criteria, group security access criteria, etc.
- Unlimited number of groups and number of group criteria.
- Unlimited numbers of security access levels and time restriction codes for the monthly parkers with easy setup and reporting.

## Housing

Heavy-duty 12 gauge steel construction, all-weather gaskets, lockable top cover and service doors.

Dimensions: 45" x 17.5" x 22.5"  
(1143 mm x 444 mm x 572 mm)

Weight: 150 lbs.

Finish: White (standard), Yellow

## Presented By: