

## Stadium Access & Ticketing System

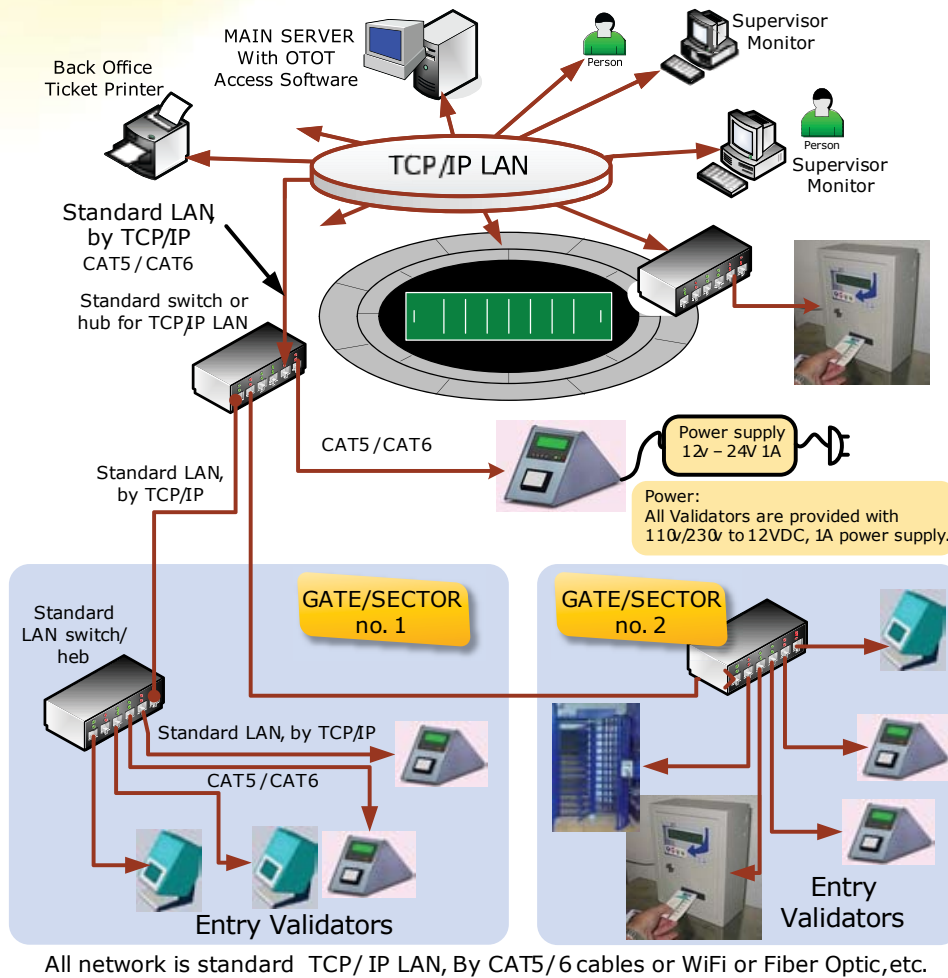
### The New Generation of Stadium Access Control



Fully comprehensive system, consisting of Barcode Tickets and RFID Cards, including crowd monitoring and counting, plus all the elements you need - **AT A PRICE YOU CAN AFFORD.**

# Stadium Access & Ticketing System

## OTOT Stadium Access Wiring Diagram



All network is standard TCP/IP LAN, By CAT5/6 cables or WiFi or Fiber Optic, etc.

### The four main elements of the system:

#### 1. Printing and Selling Tickets (POS - Point of Sale):

Multiple choice of options, from simple back-office printing and manual sales, to computerized, real-time POS and internet sales.

One-time entry ticket or full season fan card can be purchased at the stadium ticket offices

**Note:** There is no obligation to purchase this sub-system from us.

We can integrate our system with your local ticket provider and ticket distributors.

#### 3. OTOT Ticket Validators:

These are the heart of the Stadium System and are installed on each turnstile. They read each barcode ticket and RFID Smart card, compare the information, approve or deny the entry and regulate the turnstile operation appropriately. All this is done with or without communicating with the main computer, in a fraction of a second.

#### 2. Turnstiles:

Electrically controlled turnstiles will be installed at all gates. The turnstiles allow only one entry at a time.

The Validator, upon scanning a valid ticket, will release the turnstile for a single entry.

The customer can choose any type of turnstile: from low (tri-pod), medium size or full-height turnstiles. The turnstiles may be supplied by OTOT or other providers.

#### 4. OTOT Access Software:

The Access Software runs on the stadium access server PC.

It controls sold and lost tickets, and monitors the crowd, the Validators and the turnstiles.

The software manages single entry barcode tickets, VIP and full-season fan cards.

It also monitors the number of people inside, and so much more.

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## System Highlights

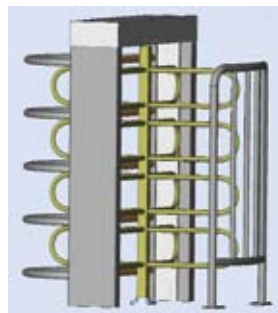
- Single entry tickets: by 1D or 2D barcode paper tickets.
  - Season Passes, Fan Cards, Staff Cards and VIPs – by RFID Smart cards.
  - Single Technology Validators (ATV line) operate with barcode tickets, or by RFID cards.
  - The Dual Technology Validators (DATV) operates with both technologies in a single Validator.
  - The new MTV4 Validator accepts 4 ticket types:
    1. 1D or 2D barcode tickets, of any size.
    2. Smart RFID cards (FIFA-approved Mifare cards)
    3. E-Ticketing: “print at home” internet technology
    4. M-Ticketing: 2D barcode sent as MMS to fans’ mobile phone.
  - Automatic integration with any turnstile
  - Simple integration with any POS and ticket-selling application.
  - OTOT “Super Fast Validation” technology performed at the gate by the Validator itself. This insures not only an immediate response, but also ensures the highest possible reliability.
  - OTOT “All condition barcode reading” insures that the barcode can be read from any direction, under any lighting conditions. Even poorly printed tickets will produce a positive barcode reading.
  - Real-time crowd counting and monitoring, for each separate stand and for the entire stadium.
  - Improved new software: event setting, ticket management and gate control.  
All the screens are easy to read and user friendly.
  - OTOT’s failure resistant design insures the system stays functional even if there are various other technical failures. For almost any fault scenario, pre-prepared solutions are available.  
For example: Is the main computer down? A communication cable cut? All tickets were printed with an error? Perhaps there is a gate change 10 minutes before the gates open? Some other malfunction or last-minute disaster?
- \* We probably already have the solution as an integral part of the system.  
Seeing is believing!**
- Printing and selling tickets: we offer several optional solutions, adapted for each customer:
    1. The simplest solution: using pre-print tickets and sell them as-is at the ticket windows. There is no need for POS, no computers, no printers, no communication, no data base...
    2. Computerized POS: real time selling, printing each ticket at the ticket window, with central database control.
    3. Internet selling: for “print at home” tickets, that allow each visitor to order, pay, and print a ticket-from his home PC.
    4. Integration with 3rd party: for customers that like to work with their local ticket distributors and POS providers.
  - Pricing: By carefully considering each client’s needs, we are able to offer the best possible system at a remarkably low price.

## Turnstiles Selection:

**Tri Pod Low Turnstile**



**Medium Size Turnstile**



**Full Height**



**And many others...**

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## The Challenge:

To design a Venue Entry System with these advanced requirements:

**Requirement:** To have one system, operating for both ticket types:  
A) Single entry.  
B) Full-season fans and VIPs.

**Requirement:** To insure high standards of protection against ticket forgeries.

**Requirement:** To provide a quickly installed and easy to operate system. The idea is that the system is user-friendly for regular club personnel, without the need for computer specialists or IT teams.

**Requirement:** To achieve high reliability with minimum downtime.

**Requirement:** To keep prices low, so that even small stadiums can install the system. Not only with a low initial purchase price, **but also with low operating costs.**

**Requirement:** To ensure simple, fast, equipment and feature upgrades in the future, in order to keep your system "up to date". This is how we protect your investment.

## The Solution:

**OTOT's Access Ticketing System.**

**Solution:** OTOT's Access by Tickets System, works with two ticket types: Barcode single entry paper tickets and Smart RFID PVC cards, for VIPs, staff, and full-season members.

**Solution:** By their nature, RFID Smart Cards are extremely secure. But how to secure barcode tickets? Our technology also secures the barcode, resulting in the barcode tickets also being protected.

**Solution:** Our Stand-Alone concept does not need communication lines, PCs or complex software utilities to validate tickets. There is no need for a main database. Even computerized POSs are not a must, because our Validators are capable of comprehensive Stand-Alone operation. The result is solid, easy to install-and-operate units without unnecessary complex elements. Consequently we offer an extremely reliable system. Even if one component fails, the rest of the system continues to operate normally.

**Solution:** Without computers, communication, databases, computerized POSs, computer specialists, etc, it's no wonder the costs are so low, both to purchase and to operate.

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**Solution:** Since OTOT is the system's source manufacturer (unlike integrators, who buy from sub-contractors), we can quickly provide any requested upgrades.

