VEHICLE ACCESS CONTROL SYSTEM

for maximum security and reliability

we make your world secure

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The Vehicle Access Control System consists of access controller, card readers, barrier gate and vehicle detectors. Access control limits when and which vehicle can access to a parking lot based on the vehicle's access authorization permission.

Advantages of Vehicle Access Control System

Instant Security
Only vehicles with valid access card are granted usage of parking lot. Besides, the system can be programmed to have time zone access where access will only be granted for the valid user's card within a given time period.

Tracking & Monitoring
It allows the operator to track whether a vehicle is inside or outside a packing zone.
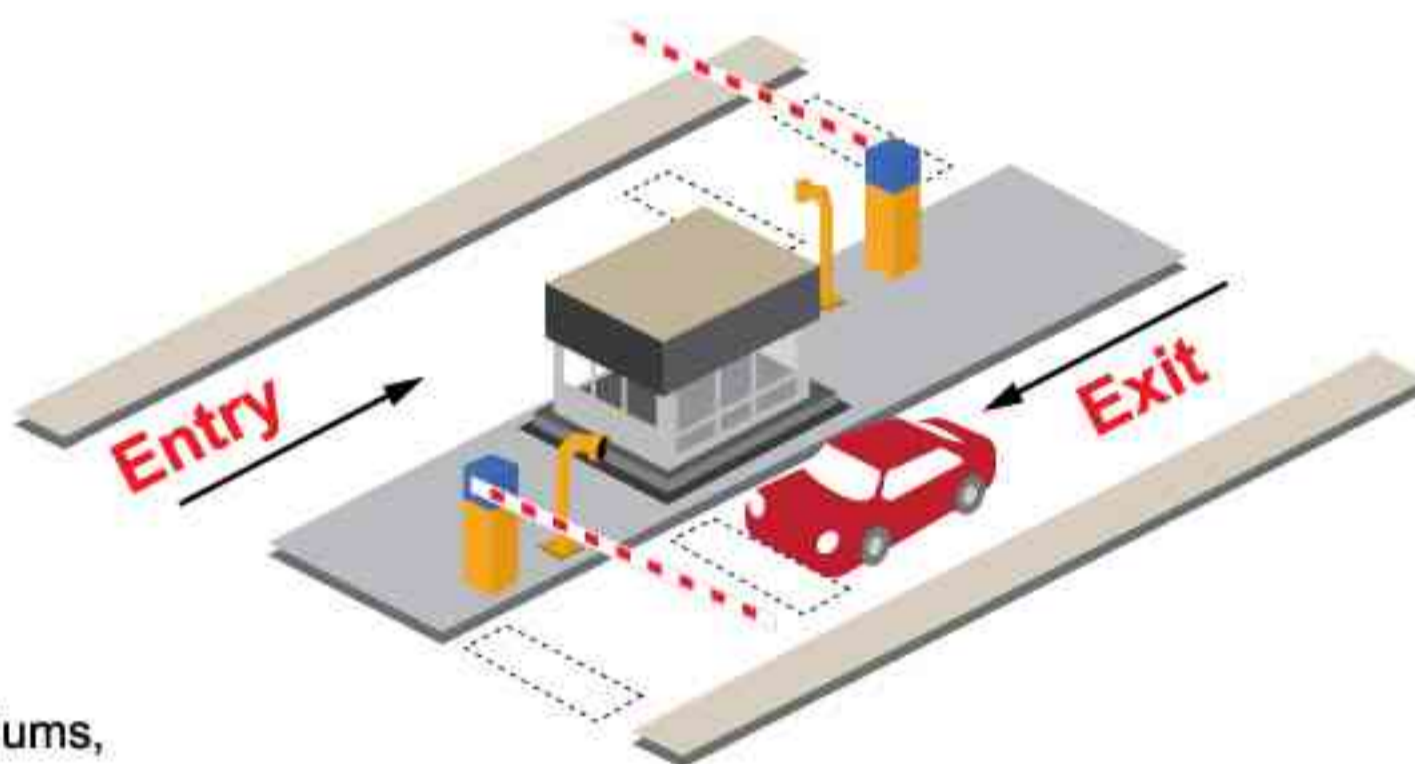
Reporting
All access events are recorded in the system. By using ELID access management software such as WinPro, the records can be sorted and filtered by date/reader/card holder and viewed or printed.

Cost Reduction
Cost reduction is achieved by reducing manpower required for manually opening or closing the barrier gate.

Access Controller

The vehicle access controller is housed in a metal casing together with power supply and a back-up battery. ELID offers 3 models of vehicle access controller.
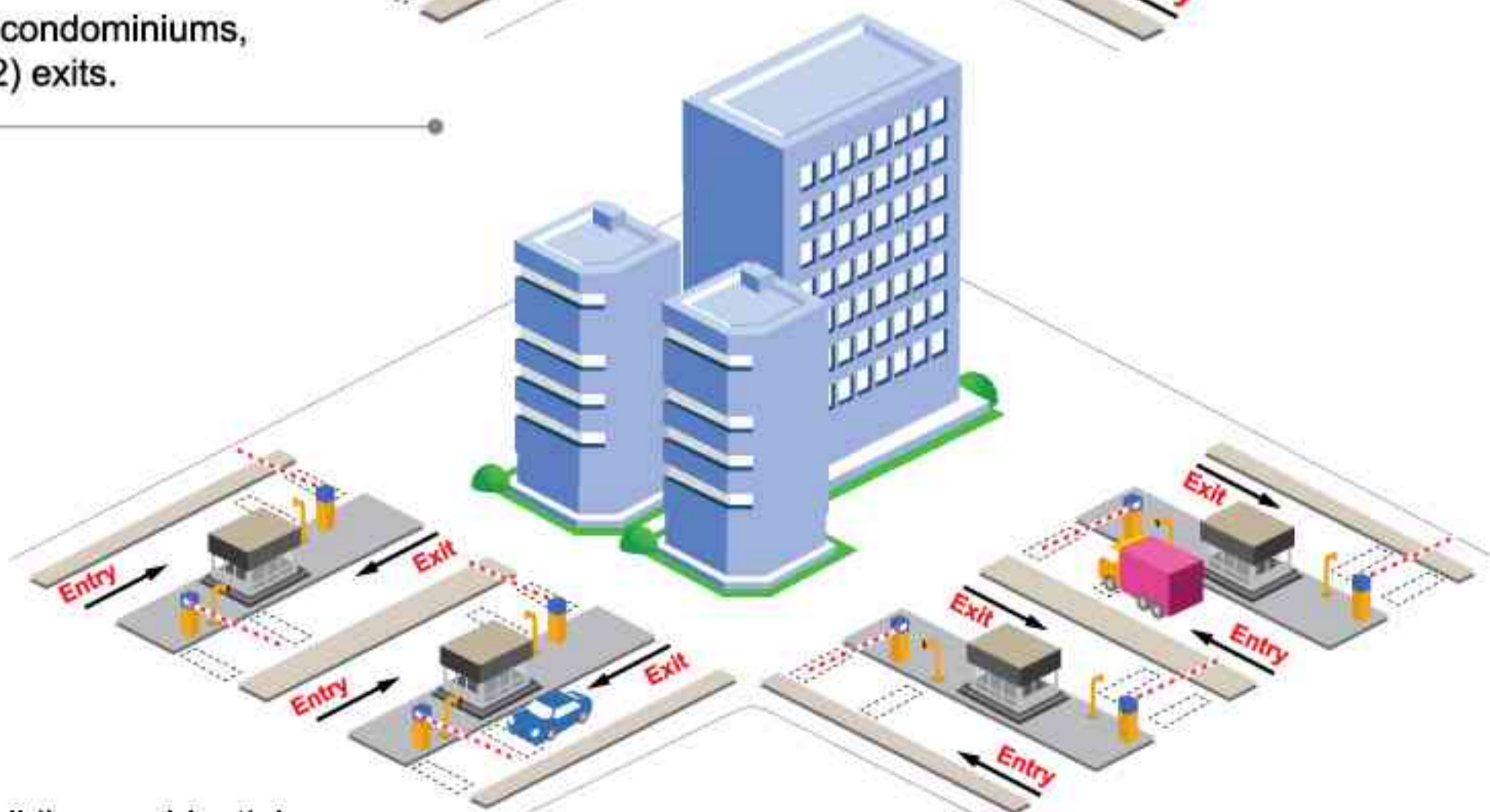

FC1205
FC1205 is suitable for small car parks, office blocks, condominiums, residential areas with one (1) entry and one (1) exit.

FC2306
FC2306 is suitable for car parks, office blocks, condominiums, residential areas with two (2) entries and two (2) exits.

FC2800
FC2800 is suitable for large car parks, office building, residential areas with four (4) entries and four (4) exits.

FC1205 and FC2306 are equipped with 2x20-character backlit LCD display and 16-key keypad for programming use. For FC2800, the programming can be done through web-server or with EK13 Keypad. Card holder database, time zones, transaction records are all stored locally in the controller. All access controllers can either be stand-alone or can be effectively managed using ELID access management software.

Card Holder
The controller can store 3,200 to 20,000 card ID numbers (depending on the controller).
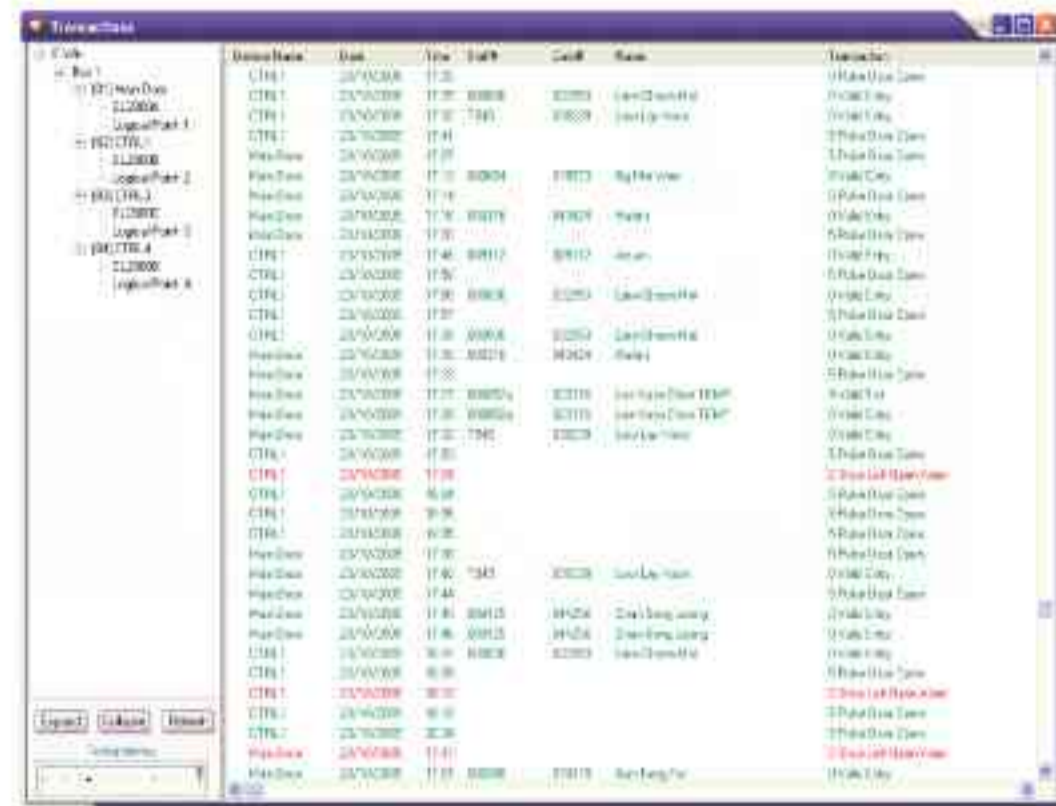
Time Zone Access
There are 10 access time zones, programmable with 2 valid periods per day, for each day of the week, plus an extra day allocated to holidays. A card holder may be assigned to any of the 10 time zones. When a card is presented at an invalid time, access will be denied.

Anti-Passback
An anti-passback feature restricts 1 card holder to 1 parking lot. A card holder, whose car is already in the car park can only use his card at the exit reader. This is to prevent a card holder from passing his card back to a second person to gain entry into the parking lot.

Transaction Logging
Every activity at the reader is recorded in the controller. Each transaction includes date, time, card ID number and transaction code. The transactions can be printed as a report or exported in Excel/PDF by a PC running the ELID access management software.

Technical Specification

Model	FC1205	FC2306	FC2800
Application	1-In 1-Out	2-In 2-Out	4-In 4-Out
Maximum Reader	2	4	8
Supporting Card Type	HID, Mifare, EM	HID, Mifare, EM	HID, Mifare, EM
Communication Interface (Controller and PC)	Multi-drop	Multi-drop, RS485, TCP/IP	TCP/IP
Communication Interface (Controller and Reader)	Wiegand 26/32	Wiegand 26/32	RS485
Card Database	3,200	20,000	20,000
Transaction Database	1,000	10,000	20,000
Timer	10	10	10
Time Zone	24	24	24
Holiday	20	20	20
Anti-passback	Local	Local	Global
Lock Release Time	1-255s	1-255s	1-99s
Power Supply	12 VDC	12 VDC	12 VDC
Current Consumption	90 mA	70 mA	200 mA (Board only)
Operating Temperature	0° C to 50° C	0° C to 50° C	0° C to 50° C
Humidity	10% to 90% non-condensing	10% to 90% non-condensing	10% to 90% non-condensing
Dimensions (Casing)	381(H) x 330(L) x 91(W) mm	381(H) x 330(L) x 91(W) mm	381(H) x 330(L) x 91(W) mm

Reader and Card

ELID vehicle access controllers are designed to work with Wiegand readers. This includes Wiegand 26-bit, Wiegand 32-bit and Wiegand ELID.

Besides short range proximity reader, users can select mid-range or long-range reader to enhance the reading range. All readers only work with the designed access card.

Access Management Software

ELID has a wide range of access management software that can work with ELID access controllers for centralized programming, database management and report generation.

There are three types of ELID access management software:-
EastWin is a feature rich, easy-to-use single-workstation SQL based access management software. EastWin's configuration is automated. It controls up to 128 access points and comes with time attendance functions.

E.WIN is a powerful single-workstation access management software that allows control of up to 128 access points. It supports Web-View via internet browser. It has access management and time management capability. E.WIN provides basic car counting facility. Cars entering the parking lot increment the counter and cars leaving the parking lot decrement the counter. The number of cars in the parking lot is displayed in real time on E.WIN.
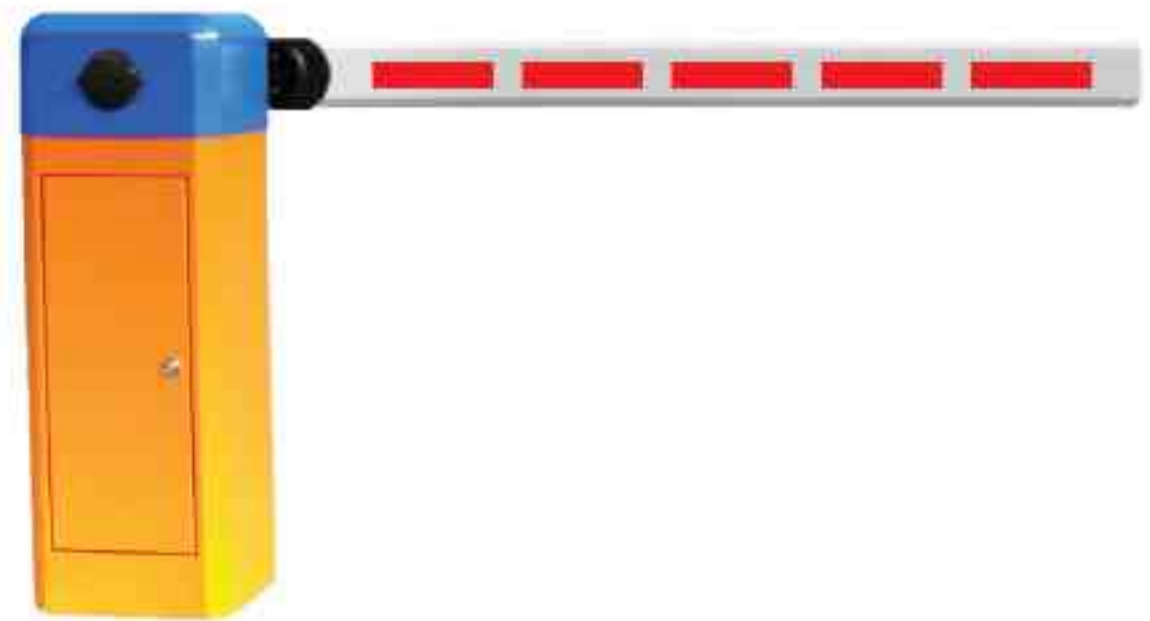
WinPro is a multi-user, client-server, SQL based access management software, and can control up to 1,024 access points with sophisticated access and intrusion alarm functions. It supports Live View Access via internet browser and SMS notification. It integrates with Time Attendance Software and Visitor Management Software.

Barrier Gate

The Barrier Gate is designed to operate either as a stand-alone or as part of a vehicle access control system. In the stand-alone mode, the barrier can be opened and closed either by a push button switch, remote switch or with vehicle detector.

As part of a vehicle access control system, the barrier gate can be linked with the FC1205/FC2306/FC2800 access controller coupled with card readers. The barrier gate comes with either straight arm (3 to 6 meters) or folding arm (4 meters). The barrier gate can be opened manually in case of a power failure.

Vehicle Detector

The vehicle detector detects the presence of a vehicle and is used to close the barrier gate automatically after the vehicle has passed. The vehicle detector has the ability to automatically boost its sensitivity to detect any class or type of vehicle.

Accessories

Goose Neck	Data Surge Protector	Power Surge Protector	Push Button	Safety Infrared Sensor	Rubber Lining	Arm Pole

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