

FALCO



the smart,
effective &
convenient
way for your
intelligent
security
access system

- It's network ready!

Falco Enterprise Network

your answer to total security & control

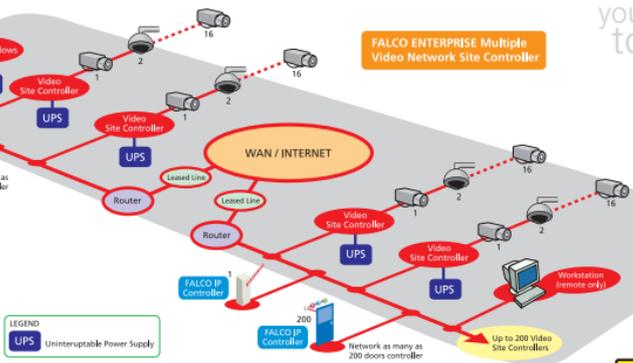


This smart and simple Windows software has grown into a powerful system controlling up to 10,000 doors!

The Falco Enterprise Network is a premier security management system for advanced security needs. It is suited for large-sized, complex areas equipped with a TCP/IP Local Area Network infrastructure, with a high level of regular/visiting human traffic and requiring only the highest quality in security management. Examples of such areas include high-rise intelligent buildings, airports and government centers. It is capable of numerous security management functions previously available only in separate component systems. Now, you can manage alarm monitoring, door access, car park access, visitor management and many other functions, all through a single Falco Ecom Controller. Each Falco Ecom Controller comes equipped with a powerful, high-speed Processor and a large memory space for the storage of data for 2 up to 100,000 user cards (with memory expansion board), plus Time Zones, Timers, PIN Code data, etc.

Falco Enterprise Network system software extends the Falco Ecom Advanced Controller's stand-alone functionality with numerous value-added software modules, enabling you to manage your security system more easily and efficiently than ever before. Falco Enterprise Network can manage up to 500 Falco Ecom Site Controllers distributed over a single or multiple remote areas connected over a TCP/IP network. It's wide capabilities make it suitable for even the largest, most complex building architectures and the most demanding security requirements.

Falco Enterprise Network can be customized for interfacing with virtually any 3rd party system. It can export data/transaction log files into text format for use with spreadsheets/crystal report software. It will communicate directly and interface with third party systems sharing the same protocol through the TCP/IP network. Hard-wire third party systems and devices such as building automation systems and fire supervisory systems to input/output points controlled by the Falco Ecom Controller. Such systems can then be activated through Falco Enterprise Network via relays.



LEGEND
 Uninterruptible Power Supply

Falco Enterprise Network incorporates numerous standard modules



Real Time Intrusion Alarm Monitoring

Receive alert messages regarding security breaches on your security system, such as unauthorized intrusions or device tampering, as well as a map of the immediate vicinity of the alert highlighting the location(s) of the occurrences directly on your computer screen in real time as they occur. This helps you respond time and assists you in organizing and implementing a response such as contacting the police or deploying security personnel to the scene.

Door Access Management



Maintain total control and surveillance of all door access in your secure areas directly from any of the connected client workstations. All door access activity is transmitted directly to your computer screen. You can also give specific commands to doors such as opening and closing them directly, sealing them off from further access, etc. Features include the following:

- Anti-Passback Options - In order to prevent a single user card from being re-used to allow more than one person through a door access area, Anti-passback forces users who enter a secure area with a card to leave the area before the card may be used to enter that secure area again.

Additional optional features which can be incorporated into Falco Enterprise Network's standard functionality:



Car Park Access Control

Control access to a car park through the use of User ID Cards at the car park gantry areas. Falco Enterprise Network User and Visitor Cards can be used to gain access to car park gantries. Anti-passback applies to vehicles as well - once a card has been used for entry it can only be used to exit. This is to prevent multiple vehicles from using the same card to enter the car park area.

Monitor vehicle traffic and directly control the gantry from the client workstation

- Log vehicle traffic according to Card ID, dates, entry and exit times, etc.
- Give commands such as opening and closing the gantry for special occasions, such as to facilitate the entry of a convoy of delivery vehicles quickly.



Camera Manager

Views real-time video and multiple cameras. Cameras can be programmed to react to alarm via additional hardware.



Time Management System

Users coming and going from work have their access times logged at the card reader entrances and exits of their work area. This enables human resource personnel to notice personnel access behavior such as promptness, tardiness, early out, overtime, absenteeism, lengthy breaks, incomplete entries (ie. an in-entry but no in-entry, an in-entry but no out-entry), abnormal permissible movement (ie. a person from Accounting and Finance in the R&D department, etc.).



Visitor Management System

Manage a large volume of visitor traffic through your premises quickly, easily and accurately.

- Create and assign visitor cards instantly on demand.
- Keep track of visitor locations, areas visited, visitor population in a secure area, etc
- Temporary cards expire automatically within a specified time so they cannot be reused later.
- Old temporary cards can be easily recycled and reassigned.
- Analysis of visitor movement can identify popular routes and visitor destinations.
- Track Visitor Vehicles in the Car Park (in conjunction with car park access control).



Guard Tour System

Guard Touring is an additional security feature involving the close monitoring of guard patrol movement through their assigned routes in security areas. During a Guard Tour, patrolling guards swipe their Guard Tour cards specific card readers along their tour, which register on their security interface. Each Guard Tour has a strict schedule, with a list of periods during which the patrolling guard must swipe his or her Guard Tour card at a particular Tour card reader. If a guard is late swiping his or her card, or misses swiping a card reader along the tour, it is automatically assumed that the guard may have run into some kind of trouble and an alert will be activated, informing other security personnel.



Lift Access Control

Lift access may be restricted according to the access of a particular lift access cardholder to access particular floors. Unauthorized floor entry is restricted at the lift car level, as restricted floors buttons will be rendered inoperative. In addition, floor call overriding can be enabled to give lift usage priority to very important persons (VIP) such as Executive Officers, visiting dignitaries, etc.

works with



HID is a trade mark of HID Inc.

Features

Falco Enterprise Network

Number of Cards	1,000 per Controller (Expandable)
On-line remote sites	Yes
Falco-Ecom 1000 Controller	32 (Expandable to 100)
Readers	64 (Expandable to 200)
Access levels	72
Time Zone & Time Set	50 (Expandable to 255)
Holidays	50 (Expandable to 255)
System Operator User ID	Unlimited
Remote Terminals	Yes
Transaction Store	2000 (Expandable)
EEPROM Technology	Yes
Controller Groups	72
Anti-Passback	Yes
View archive report on screen	Yes
Operating System / compatibility	Win98/2000/ME/XP
Database Format	Access 97/ MSDE/SQL
Time & Attendance Reports	Yes
Predefined reports	Yes
ABA II / Weigand reader	Yes
Card and Pin (Keypad)	Yes

FALCO Digital IP Door Access Controller

True Network Access Control Solutions At Your Fingertips



Time Management System



CCTV / DVR System



Real Time Intrusion Alarm Monitoring



Car Park Access Control



Door Access Management



Guard Tour System



Visitor Management System



Lift Access Control



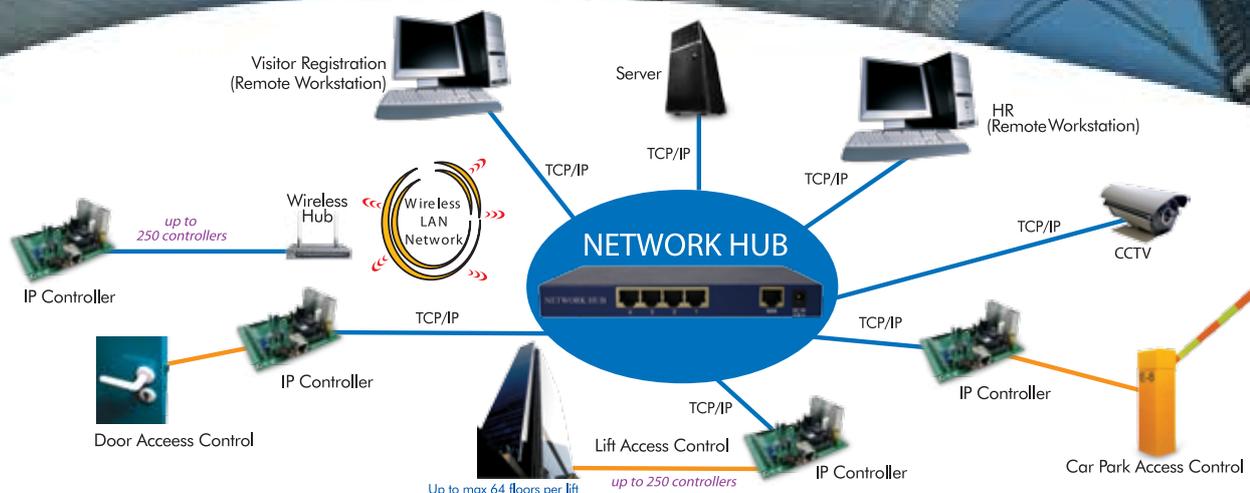
We provide true IP access control solutions that are:-

- Fully scalable and compatible with your existing infrastructure.
- Native IP controllers with "Peer to Peer" communication.
- Reliable and future-proof.



FALCO Digital IP Door Access Controller

True Network Access Control Solutions At Your Fingertips
BUILDING OUR FUTURE ON IP



Product Features

FEATURES	BENEFITS
Cost-efficient Infrastructure	Most facilities are already wired with twisted-pair infrastructures, so with IP access control no additional wiring is required.
Scalability LAN / WAN architecture	IP access control scales from one to hundreds of IP door access control in the increments of single controller.
Global Antipassback	Global Antipassback without the need of PC online 24 hours. Eliminates chances of failure when PC down.
Reduces Bandwidth	High speed communication up to 100MB/s will reduce the Network Bandwidth usage.
High Speed Polling	Data are transmitted in bulk therefore increase the speed of data transmission from controller to PC. These provide a real-time transactions event to the user.
Peer to Peer Controller Communication	Between controllers, they can communicate with each other. Therefore alarm signals can be sent in between controller without PC to be online.
Wireless Networking	Wireless can be use to save cable cost and also enable IP controller to be connected to those area where hardwire wiring is not permissible such as museum.
Patented Card Searching Algorithm	For 100k user system with our patented card searching algorithm, user can open the door in less than a second upon proxing on the card reader.
Integrated Power Supply Module	Monitor AC power failure and low battery and battery cut-off. This eliminates the possibility of controller hang or become unstable when the AC power fails. When the AC power returns the EM-lock or door will not release or stuck if there is no low battery cut-off.
Going Digital	Evolution from conventional or obsolete RS-485 or RS-232 based technology to future proof Falco IP system.
More Secure	Our relay or door controller is inside the premises. Some low end product, the controller and relay are together. If you tamper with the relay using the magnet, you can easily open the door or damage the system.
Auto Setup	Our Falco IP software is intelligent enough to set the PC IP to our default IP address system. No network IT specialist is required.

Product Features

FEATURES	BENEFITS
Star Topology	A controller will not affect the other controller communication as compare with Daisy Chain or looping between the controllers. Therefore it is easy to service and troubleshoot.
Remote Site Access	With the available network infrastructure, we can remote access and monitor branches from HQ via the internet/broadband. Also process data in HQ. By concentrating the monitoring of a number of buildings into a single location, client costs are reduced.
3rd Parties Software	Information or data collected in the server can be export to 3rd party's software such as HR and payroll.
Graphic User Interface (GUI)	Powerful yet Easy-To-Use GUI. Uses windows based GUI which is just point and click.
Auto Detects	No need to set the jumper on controller to address it. It will auto detect the respective IP on the board. Which means you do not have to set the IP number, if use our default IP and it will automatically save this in the database. The conventional 485 way you have to set the jumper and also remember the jumper address before you can install it.
Ethernet Physical Transiver (EPHY)	Integrated 10/100 Mbps Ethernet physical transceiver (EPHY) to our processor. If a signal converter is use to convert the RS/232 or 485 signal to TCP/IP the maximum speed is 115 K/B compare with 100 M/B for the integrated EPHY. Software driver will be required to intercept the RS/232 or 485 protocols to be converted to IP protocol. This not only slows down the system but reduce the reliability of the system.
Proprietary Protocol	Falco IP system uses our own proprietary protocol. This is more secure unlike most of the TCP/IP converter (485 to IP) protocol which can be obtained from the respective manufacturer.
Client/Server Environment	Falco IP controller uses the client/server environment to communicate with the server PC. Communication between the Falco IP controller and the computer will only happen when there is data in the controller. This reduces the network traffic compare with other system where data from the controller is poll from the computer. So the computer will try to check with each controller in the system to see if there is any data to be poll. This cause the network to be congested.