



User Friendly

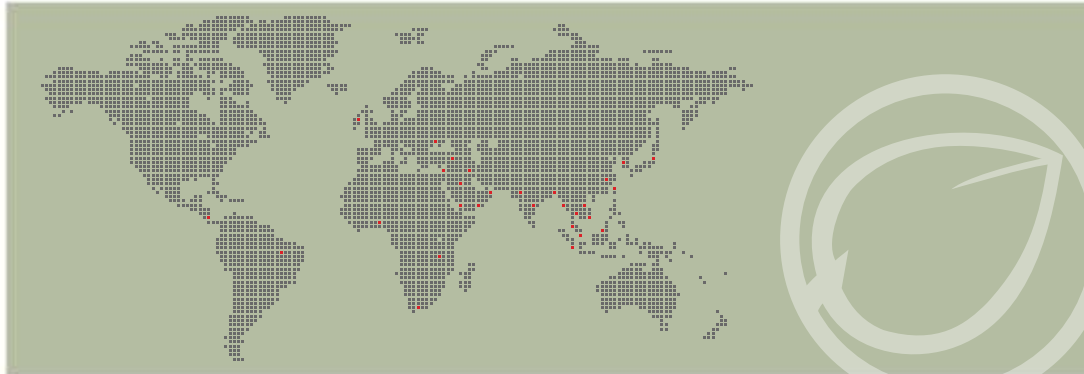
Intelligent

1st Native Falco PoE Access System

FALCO GreenPower PoE Technology

Eco Friendly

Powerful



Offers an easy, fast, cost effective solution for your access control system without the need to install power points and electrical cabling

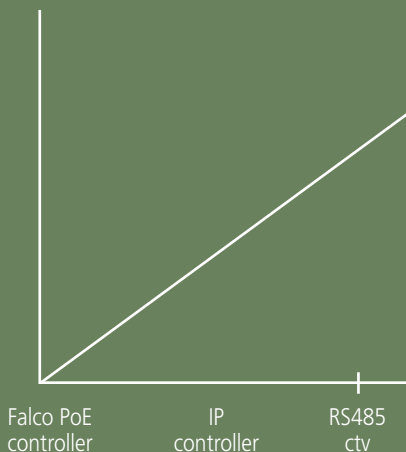


Falco PoE (Power Over Ethernet) Access Control System can supply power to 2 doors with 4 locks and 4 readers over a single Cat 5e/6 cable without the need to have an external power supply at each door. It makes it easier to install an access control system in areas where power cabling and outlets are unavailable. Installation costs will definitely be reduced.

As an added benefit, Falco PoE is able to send fire alarm signals from 1 controller to another controller without the Server switched on.



\$ Installation cost



GreenPower Access Control
by Falco

Intelli Green

Controller featuring the Falco Green Power PoE Technology which consumes less power with just only using a single CAT 5e/6 cable. So you do not require any power cables, conduits or sockets. With a lower power consumption, it helps to save the earth.

Intelli Power

A high speed data polling from controller to PC will only happen when there is data in the controller. A high speed patented card searching algorithm for 100k users will be done in less than a second. High speed communications of up to 100Mb/s will reduce the network bandwidth usage.

Intelli Peer

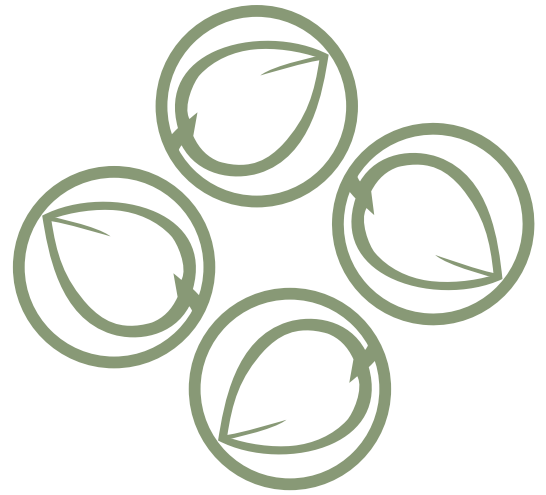
All controllers can be communicated without a PC to be online. Therefore, when there is a fire, the fire alarm signal can be sent between controllers, even when the PC is offline. Moreover, global antipassback can be performed too even when the PC is shut down.

Intelli Protect

With less exposure to AC, the controller is protected from lightning strikes and power fluctuations especially in those countries with unstable power supply.

Intelli Convenience

Leverages Existing IT infrastructure, eliminates the need for local power, consolidates & saves labour costs for installation, reduces installation time.



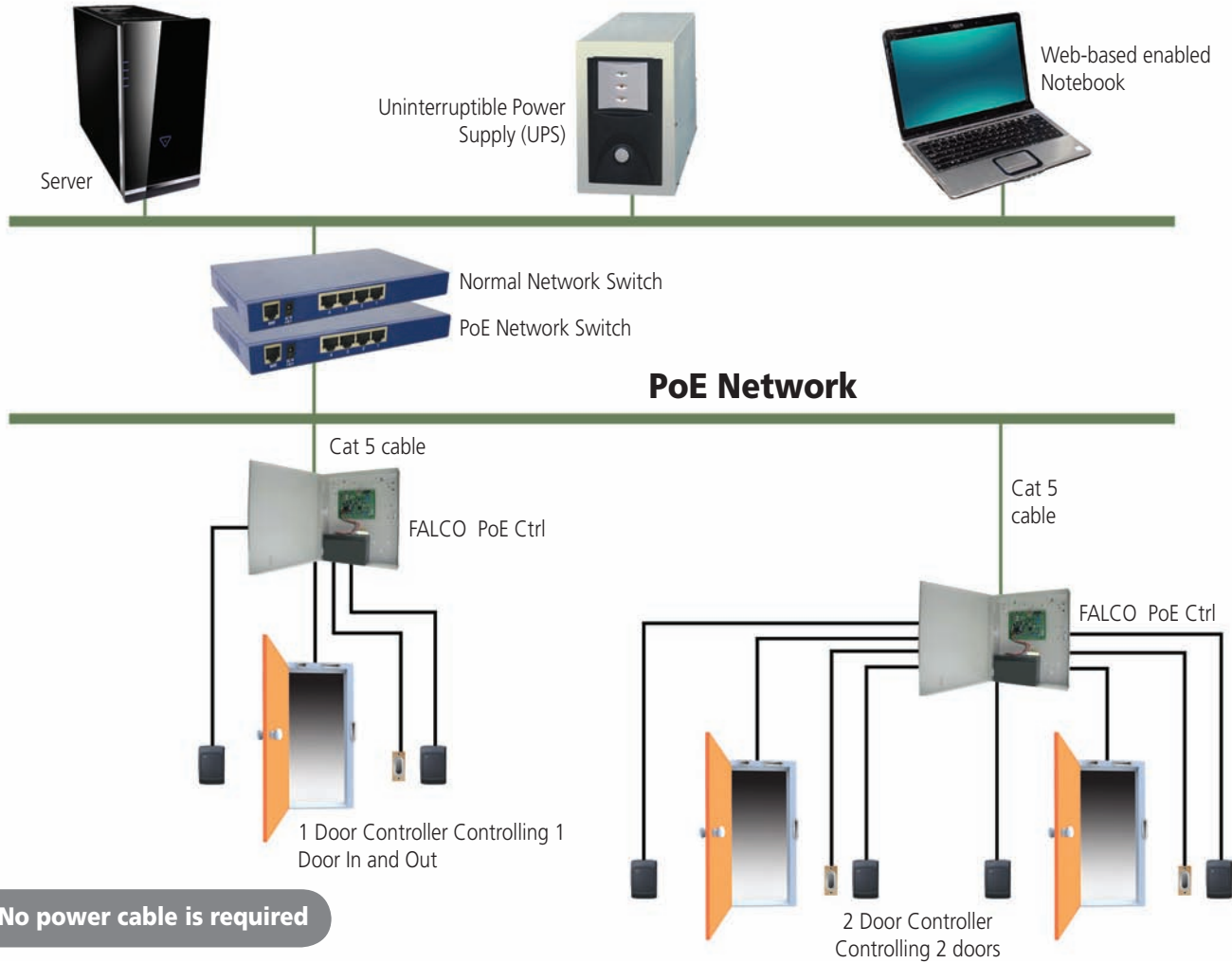
FALCO PoE features

- IP Controller integrated PoE on board
- On board battery charger
- Reduced installation cost
- Ethernet communication cum power thru a single Cat 5e/6 cable without the need to have an external power supply at each door
- Provide local power to 4x EM locks, 2x in & 2x out readers
- Peer to peer communication enables fire alarm signal to be sent from controller to another controller without relying on the connection to the server
- Client/server based architecture
- 11.5v @ 1.6A power output
- Built-in 802.3at compliant Power over Ethernet (PoE)
- Saves power cable conduit, power socket and manpower cost
- Less lightning strikes
- Ease of use due to neat installation, hence there is no need to source from and AC power
- Less power - going for green power ; better for the environment
- Saves 20% - 30% on electricity consumption

FALCO PoE Controller Specification

Manufacturer	Falco
Battery Charger	7AH
Operating Temperature	0°C to 60°C
Humidity Range	0-95% non-condensing
Card Holder	20,000 (upgradable to 150,000)
Event Reader	40,000 (upgradable to 80,000)
	1 in, 1 out for 1 door (Expandable: 2 in, 2 out for 2 doors)
Card format support	Wiegand 26, 34 bit, MIFARE
Controlled Doors:	Two Door Controller (Door Access),
Alarm Points	On board 4 input
Communication	10/100 Mbits/s
Holidays	50
Time Zones	99
Time Sets	50
Time Sets Interval	3
Access Level	255
Tamper Detection	Yes
Software User Level	3 (web 100)
Card Holder Photo	Available
Floor Plan	Available
Network Protocols	TCP/IP, ARP, DHCP, WEB
Board Dimension	(w/o casing) 128 mm x 104 mm
Power source requirement	POE hub 15.4W(min each port)

FALCO Green Power PoE Single Site System Architecture



Falco GreenPower PoE Multiple Sites System Architecture

