

KEY FEATURES

- Embedded Ethernet Ready
- Peer to Peer Technology
- Real Time Reporting
- Global Anti-Pass back without server
- Visitor Management System
- Lift Control
- Alarm Monitoring
- Car Park Barrier Control
- Virtually Unlimited of Doors
- Card Tracking Feature via CCTV
- Facial Recognition
- Built-in Time Attendance Reports
- Support up to 150K Users
- Support up to 80K Events
- Video Integration
- Dry relay contact trigger fire alarm panel
- Power failure monitoring
- 7 Levels of Power and lightning protection

BENEFITS

- Cost Effective
- Scalable
- Flexibility
- Ease of Installation
- Reliability



Falco IP Access Control – harnessing the power of IP Technology to provide a scalable and flexible integrated security solution with its unrivalled benefits.

The Falco IP access control system is a leading Technology in True IP Technology access control product that provides highly advanced security management solutions.

With the versatile Falco Vault, a client /Server Integrated Management software, it incorporates a host of advanced features like Lift control, Alarm and Intrusion Monitoring, Facial recognition and verification, Card Tracking, visitor management and Time Attendance that can meet any need from a small enterprise to a multi-site facility, locally or globally, with tens of thousands of users.

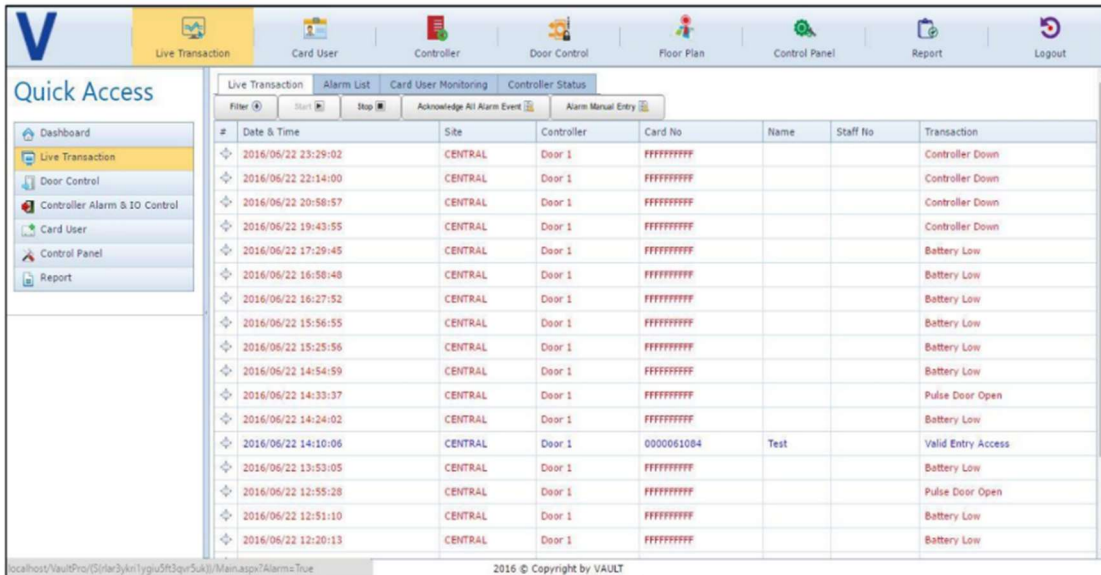
Increments of one up to hundreds or thousands of IP controllers, one by one, provide great flexibility to the system. From small companies to global companies with installations in every continent, VAULT Enterprise allows for unlimited scalability.

The Central Vault enterprise is also responsible for centralizing and managing all the information from all the sites. It may segment the Access privileges and reports of all the sites, independently. It receives the transactions from all the servers with VAULT ENTERPRISE SITE and organizes them in its Central Data Bank. It is a powerful tool for large scale systems, making their administration easier and guaranteeing maximum efficiency and reliability on large data volume. It also has additional valuable tools such as Web Visitors Pre-registration, Data Bank segmentation and much more.

FALCO VAULT

FEATURES:

Access Management Software



The screenshot displays the FALCO VAULT software interface. At the top, there is a navigation bar with icons for Live Transaction, Card User, Controller, Door Control, Floor Plan, Control Panel, Report, and Logout. Below this is a 'Quick Access' sidebar with links to Dashboard, Live Transaction, Door Control, Controller Alarm & IO Control, Card User, Control Panel, and Report. The main area shows a 'Live Transaction' table with the following data:

#	Date & Time	Site	Controller	Card No	Name	Staff No	Transaction
↕	2016/06/22 23:29:02	CENTRAL	Door 1	FFFFFFFF			Controller Down
↕	2016/06/22 22:14:00	CENTRAL	Door 1	FFFFFFFF			Controller Down
↕	2016/06/22 20:58:57	CENTRAL	Door 1	FFFFFFFF			Controller Down
↕	2016/06/22 19:43:55	CENTRAL	Door 1	FFFFFFFF			Controller Down
↕	2016/06/22 17:29:45	CENTRAL	Door 1	FFFFFFFF			Battery Low
↕	2016/06/22 16:58:48	CENTRAL	Door 1	FFFFFFFF			Battery Low
↕	2016/06/22 16:27:52	CENTRAL	Door 1	FFFFFFFF			Battery Low
↕	2016/06/22 15:56:55	CENTRAL	Door 1	FFFFFFFF			Battery Low
↕	2016/06/22 15:25:56	CENTRAL	Door 1	FFFFFFFF			Battery Low
↕	2016/06/22 14:54:59	CENTRAL	Door 1	FFFFFFFF			Battery Low
↕	2016/06/22 14:33:37	CENTRAL	Door 1	FFFFFFFF			Pulse Door Open
↕	2016/06/22 14:24:02	CENTRAL	Door 1	FFFFFFFF			Battery Low
↕	2016/06/22 14:10:06	CENTRAL	Door 1	0000061004	Test		Valid Entry Access
↕	2016/06/22 13:53:05	CENTRAL	Door 1	FFFFFFFF			Battery Low
↕	2016/06/22 12:55:28	CENTRAL	Door 1	FFFFFFFF			Pulse Door Open
↕	2016/06/22 12:51:10	CENTRAL	Door 1	FFFFFFFF			Battery Low
↕	2016/06/22 12:20:13	CENTRAL	Door 1	FFFFFFFF			Battery Low

- Segmented Data Base
- Open software architecture, with several off the shelf, pre-formatted integrations
- Synchronization of Multiple Data Bases via net
- Multi-level, multi-sites server support
- Autonomous operation per site, with independent regional control
- Centralized multiple operation and administration
- Flexible reports, and data import and export
- Graphic Web interface, multi-windows, easy operation
- Transparent integration via data banks alongside several systems such as ERPs Human Resources, etc.
- Complete auditing.



- Programmable functions, such as alarm entry control, elevator control, controller downloads and uploads, multilevel local and global Antipass back, integration with fire systems, grouping of escape routes, door security clearance, import and export utilities, etc.
- Off-the-shelf, pre-formatted multiple integrations, such as real-time video and CCTV reproduction, LPR Systems, etc.
- Multiple layers of maps with interactive icons
- Alarm recognition and treatment
- Scheduled times for door clearance
- Send emails and SMS to selected users
- Multiple card formats and facility codes
- Flexible commands for card users such as temporary access level (shift changes) and provisional cards, card lock, penalties, card and event tracking, Double custody of access cards, etc.
- Optional guard patrol system, alarm monitoring, I/Os control, multi-level locker and rack control
- Optional application module for visitor registration – VMS, with several resources such as 5 photos, registration of belongings, pre-registration, etc.
- Automatic visitor card cancellation

FALCO VAULT

Access Management Software



Lift Access Setting

Lift Access Detail

Lift Access No:

Description:

Interval 1	Interval 2	Interval 3
From: <input type="text" value="1"/>	From: <input type="text" value="0"/>	From: <input type="text" value="0"/>
To: <input type="text" value="1"/>	To: <input type="text" value="0"/>	To: <input type="text" value="0"/>

Card User Detail

Card Detail



Card No :

Name :

Card Pin No :

Access Level :

Lift Access :

Alarm Card : Yes

Attendance report

The daily report includes the Daily complete, Daily incomplete, Daily lateness, Daily Early Out, daily absentee, Daily overtime and in Out Summary

The monthly report consists of Attendance Check List, Attendance Summary and Staff In Out report.

Late Reason List

Drag a column header here to group by that column

No	Code	Description
1	Normal	Normal Transaction
2	MC	Medical CheckUp
3	AL	Annual Leave
4	NPL	No Pay Leave
5	NPH	No Pay Hour

Technical Specification

MODEL	PoE Controller	IP controller for Turnstile	IP Door 1 / 2 door	IP controller for Lift	IP controller for Alarm	IP controller for Carpark	WG controller (economy)
MICROCONTROLLER	FREESCALE CF 32 BITS @ 60MHZ						NIL
Memory	512 kb EEPROM & 16 Mb FLASH	1024 kb EEPROM & 16 Mb FLASH	512 kb EEPROM & 16 Mb FLASH	1024 kb EEPROM & 16 Mb FLASH			NIL
Battery charger	12VDC/7AH						12 VDC & 2-4A
Operating Temperature	0°C - 60°C	0°C - 60°C	0°C - 55°C	0°C - 60°C	0°C - 60°C	0°C - 55°C	0°C - 65°C
Humidity Range (non-condensing)	0-85% non-condensing						10 ~ 90%(relative)
Card Holder	75K (upgradable to 150K)						5k
Events	40K (upgradable to 80K)						40K
Reader format	Standard Wiegand (26 bit to 64 bit)						
Controlled floors	Up to 64 Floors	Up to 64 Floors	NIL	Up to 64 Floors			NIL
Reader supported	NIL	NIL	1 door (2 readers) / 2 doors (4 readers)	NIL	NIL	1 door (2 readers) / 2 doors (4 readers)	1 door (2 readers) / 2 doors (4 readers)
Input points on board	4 (Fire / Tamper / Door Contact / REX)						Nil
Security encryption	AES-128						
Time zone	50 3						NIL
Time sets interval	50 3						NIL
Redundancy control	TWO Destination (configurable) IP address						NIL
Software user level	3 (web 100)						NIL
Communication Type	RJ45 Ethernet 10Base-T	RJ45 Ethernet 10Base-T	RJ45 Ethernet 10/100Base-T (Max 100m/328ft)	RJ45 Ethernet 10Base-T	RJ45 Ethernet 10Base-T	RJ45 Ethernet 10/100Base-T (Max 100m/328ft)	RJ45 Ethernet/(Max 100m / recommended 80m)
Network Protocols	TCP/IP, ARP, DHCP, WEB		TCP/IP, ARP, DHCP	TCP/IP, ARP, DHCP, WEB		TCP/IP, ARP, DHCP	TCP/IP
Minimum power requirements	IEEE 802.3af (PoE 15.4W of DC Power)					NIL	NIL
Board Dimensions	137 (L) x 117 (W) x 15.5 (H) mm 25g (w/o casing)	137 (L) x 117 (W) x 15.5 (H) mm 25g (w/o casing)	137 (L) x 117 (W) x 15.5 (H) mm 25g (w/o casing)	137 (L) x 117 (W) x 15.5 (H) mm 25g (w/o casing)	137 (L) x 117 (W) x 15.5 (H) mm 25g (w/o casing)	137 (L) x 117 (W) x 15.5 (H) mm 25g (w/o casing)	16 x 10.6 cm
Certification	CE - Class A UL 294 Listed	CE - Class A UL 294 Listed	CE RoHS	CE - Class A UL 294 Listed			NIL
Security Mark	FCC Part 15 Class A ROHS						NIL

NOTE*

- * FIP-Lift: 8 outputs per board, maximum up to 64 outputs per controller
- ** FIP-Alarm: 8 inputs per board, maximum up to 32 inputs per controller
- *** FIP-1EXP: 2nd daughter board required to expand to 2 door controllers



FIP- main PCB



inputs PCB

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