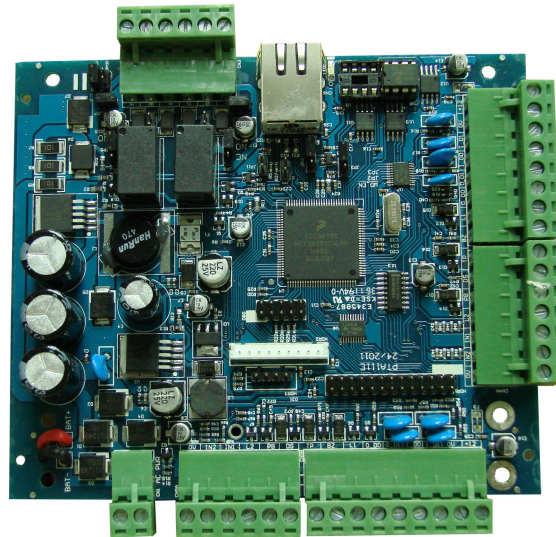




## FEATURES:-

- ✓ Supports 2x turnstile ie. up to 1x in & 1x Out (expandable to 2x in & 2x out barriers)
- ✓ Supports up to 150k users & 80k events
- ✓ Supports firmware upgrade via IE
- ✓ Native IP with Peer to Peer communication
- ✓ High speed data transmission to server
- ✓ Compatible with various reader technologies
- ✓ Interlocking
- ✓ Built-in web server
- ✓ AES- 128 Encryption



## SMART ARCHITECTURE

### Effective Infrastructure

Leverage on the usage of existing network infrastructure, hence saving your cost.

### Adaptive Network Bandwidth

High bandwidth with high speed polling transmits data easily, enabling real-time transaction to the users.

## ACTIVE ENVIRONMENT

### Client to Server Environment

Communication between Server and FALCO controllers happens whenever an event is active on the controller.

### Peer to Peer Communication

Communication between one controller with another controller without the need of the database server acting as the facilitator.

## ADVANCED TECHNOLOGY

### High Speed Transmission

-Patented card searching algorithm to search card database within 1 second for controller memory of 150k users.

### Secure Technology

-Falco proprietary protocol utilized.

-Integrated power supply module ensures stable operation despite electricity cut-off

-Door controller and the relay are placed in secure location for the better security

### Larger Storage

-Unbeatable technology enables Falco controller to support up to 150k users & 80k events memory.



# IP TURNSTILE CF CONTROLLER

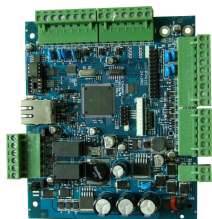
## SPECIFICATION:-

|                       |  |
|-----------------------|--|
| PROCESSING UNIT       | Freescale CF microcontroller 32 bits @ 60MHz                         |
| MEMORY                | 1024 kb EEPROM & 16 Mb FLASH   |
| BATTERY CHARGER       | 12 VDC / 7AH (Onboard battery backup charger)                        |
| POWER                 | 14.5 VAC @ 12 VDC (Onboard power supply module max 2.0A)             |
| READER SUPPORTED      | 1 door (2 readers) 1 x In, 1 x Out                                   |
| READER TECHNOLOGY     | Standard Wiegand format (26 bit -64 bit)                             |
| USERS / HISTORY       | Standard 70k users, 40k events, upgradable to 150k users, 80k events |
| COMMUNICATION         | RJ45 Ethernet/ 10/100 Base-T ( Max 100m / 328ft.)                    |
| NETWORK               | TCP/IP, ARP, DHCP  |
| INPUTS                | Fire input/ exit push button / door contact/ tamper                  |
| CONTROLLER            | Supports 2 destinations IP addresses                                 |
| DIMENSION / WEIGHT    | PCB board = 137 (L) x117 (W) x 15.5 (H) mm / 25g                     |
| SECURITY ENCRYPTION   | AES-128 bit (BI-DIRECTIONAL)   |
| OPERATING TEMPERATURE | 0°C ~ 55°C / 32° ~ 165°F (subject to battery specifications)         |
| HUMIDITY              | 0 ~ 85% Humidity (relative non-condensing)                           |
| USER CARD EXPIRATION  | YES  |
| CERTIFICATIONS        | CE<br>RoHS   |

## FALCO TURNSTILE TCP/IP SITE SYSTEM ARCHITECTURE



## ORDER INFORMATION :-



**Turnstile Controller**  
Model : CTRL-1DRTURNSTILE-CF/IP(2.0A)-PCB

## ACCESSORIES :-



**Metal Casing**



**Transformer**



**12V DC BATTERY**