



## FEATURES:-

- ✓ Supports 2x barriers ie. up to 1x in & 1x Out (expandable to 2x in & 2x out barriers)
- ✓ Supports up to 4k users & 1k events
- ✓ Supports firmware upgrade via IE
- ✓ Native IP with Peer to Peer communication
- ✓ Compatible with various reader technologies
- ✓ Built-in web server
- ✓ AES- 128 Encryption
- ✓ Support up to 5x controllers with expander/20x Barriers



## 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



# IP CAR PARK CF CONTROLLER

## SPECIFICATION:-

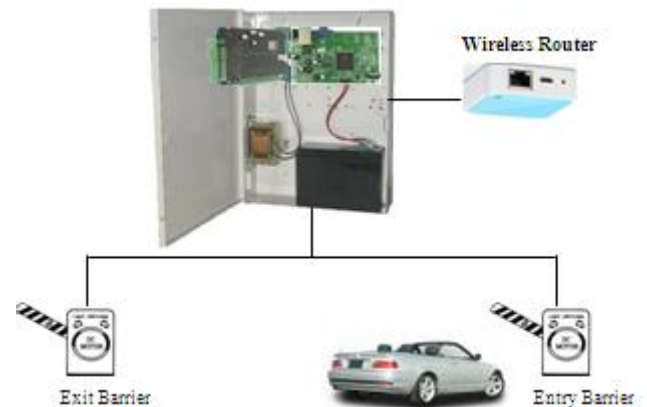
|                       |  |
|-----------------------|--|
| PROCESSING UNIT       | Freescall CF microcontroller 32 bits @ 60MHz                             |
| MEMORY                | 1024 kb EEPROM   |
| BATTERY CHARGER       | 12 VDC / 7AH (Onboard battery backup charger)                            |
| POWER                 | 14.5 VAC @ 12 VDC (Onboard power supply module max 2.0A)                 |
| READER SUPPORTED      | 2x barriers 1 x In, 1 x Out, (expandable to 4x barriers- 2x In & 2x Out) |
| READER TECHNOLOGY     | Standard Wiegand format (26 bit -64 bit)                                 |
| USERS / HISTORY       | 4k users, 1k events  |
| COMMUNICATION         | RJ45 Ethernet/ 10/100 Base-T ( Max 100m / 328ft.)                        |
| NETWORK PROTOCOLS     | TCP/IP, ARP, DHCP  |
| INPUTS FUNCTIONALITY  | Fire input/ exit push button / door contact/ tamper                      |
| CONTROLLER REDUNDANCY | Support 2 destinations IP address  |
| 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   |

## ORDER INFORMATION :-

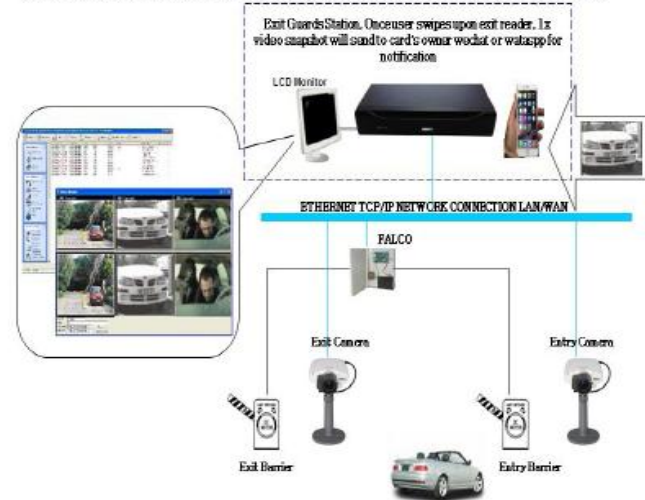


**Car Park sBOX Controller**  
Model : CTRL-1DRCAR-SBX(2.0A)-PCB

## FALCO sBOX SYSTEM ARCHITECTURE :



## SBOX CARPARK VIDEO SNAPSHOT NOTIFICATION SYSTEMS ARCHITECTURE



## ACCESSORIES :-



**Metal Casing**



**Transformer**



**12V DC Battery**