



FEATURES:-

- ✓ Supports single/ double doors ie. up to 2x EM locks & 1 x in & 1 x out proximity readers for single door / 4 x EM locks, 2x in & 2x out proximity readers for double doors.
- ✓ Supports 2k users, 2k events
- ✓ Supports firmware upgrade via IE
- ✓ Native IP with Peer to Peer communication
- ✓ Compatible with various reader technologies
- ✓ Interlocking
- ✓ Built-in web server
- ✓ AES- 128 Encryption
- ✓ Support up to 5 controllers /10 doors



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



SPECIFICATION:-

PROCESSING UNIT	Freescale CF microcontroller 32 bits @ 60mHz
MEMORY	1024 kb EEPROM
BATTERY CHARGER	12 VDC / 7AH (Onboard battery backup charger)
READER SUPPORTED	1 door (2 readers) / 2 doors (4 readers) -12vDC @200mA per reader port
READER TECHNOLOGY	Standard Wiegand format (26 bit -64 bit)
USERS / EVENTS	Standard 2k users, 2k 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	Supports 2 destination IP addresses
DIMENSION / WEIGHT	PCB board = 137 (L) x117 (W) x 15.5 (H) mm / 25g
OPERATING TEMPERATURE	0°C ~ 55°C / 32° ~ 165°F (subject to battery specification)
HUMIDITY	0 ~ 85% Humidity (relative non-condensing)
POWER	14.5 VAC @ 12 VDC (Onboard power supply module max 2.0A)
SECURITY ENCRYPTION	AES- 128
CERTIFICATIONS	CE RoHS

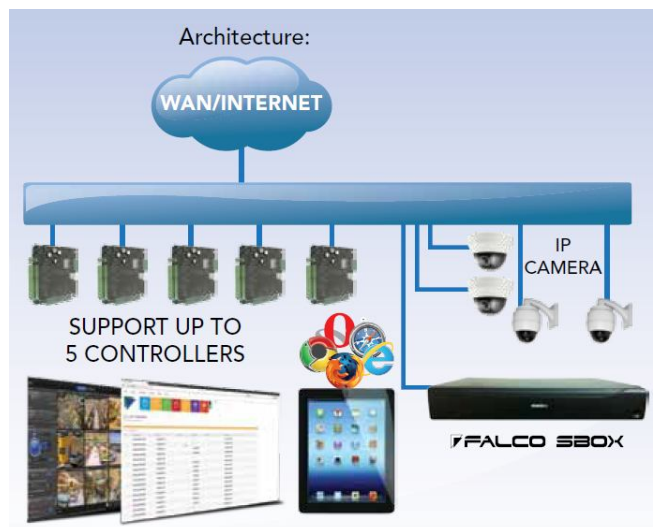
ORDER INFORMATION :-



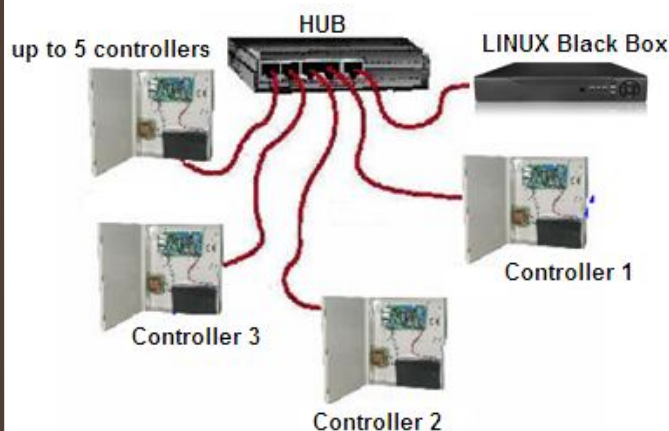
1 door sBOX Controller
Model : CTRL-1DR-SBX (2.0A)-PCB

2 doors sBOX Controller
Model : CTRL-2DR-SBX (2.0A)-PCB

FALCO SBOX SYSTEM ARCHITECTURE



FALCO SBOX ACCESS CONTROL WITH TCP/IP



ACCESSORIES :-



Metal Casing



Transformer



12V DC Battery