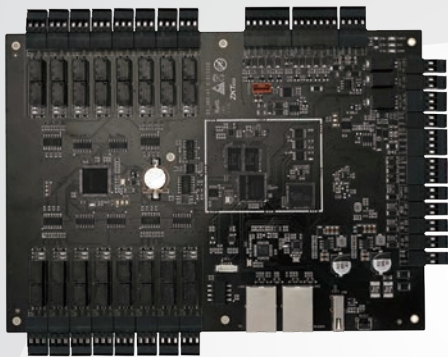


# EC16 & DEX16

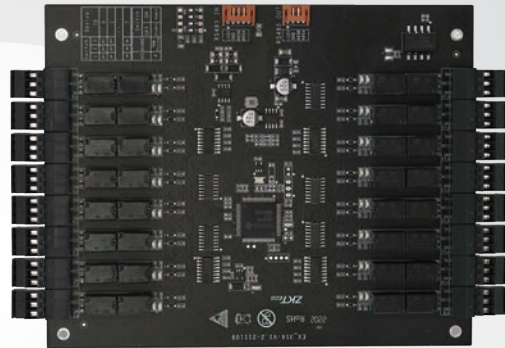
## Elevator Control Panel & Elevator Floor Expansion Board

Compatible with

 **ZKBio CVSecurity**



EC16



DEX16

EC16 is the second generation of ZKTeco's company elevator control panel. It can support fingerprint and RFID card verification through RS485 direct connection. At the same time, it supports dynamic QR code access and facial recognition, fingerprint recognition through ZKTeco's ZKBio CVSecurity security platform.

Each EC16 can control maximum 16 floors and can be connected up to 7 DEX16 expansion boards. Each DEX16 assists EC16 to manage up to 16 floors, therefore, the EC16 and DEX 16 can control 128 floors in total, covering most of the market demand.

In addition, EC16 can be integrated with ZKBio CVSecurity which promotes the elevator security to a new level. The multi-time schedule can set a restriction on elevator entering designated floor at different time for different users. Yet, the lift direct access function can ensure only those who are authorized to gain access right passage to the assigned floor at a designated time. Once the identity authentication of elevator passengers is successful, the elevator will dispatch the elevator passengers to their destination.

## Features (GL Exclusive Feature)



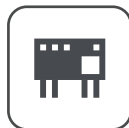
Maximum 128 Floors of Elevator Control (EC16 + DEX 16)



Multi-credential Authentications (Fingerprint, RFID, Dynamic QR Code, and Facial Recognition[KF1100/1200])



Multiple Communication Modes: TCP/IP, USB



EC16 & DEX16 are equipped with 16 dual relay outputs



Direct Access to Designated Floor After Positive Verification



Supports Multi-time Schedule



Advanced Data Security Standard (Communication encrypted with AES256 and TLS1.2)

## Specifications (GL Exclusive Feature)

### Model:

EC16

### Capacity:

Fingerprint: 30,000  
Card: 100,000  
Transactions: 200,000

### Communication

TCP/IP, USB Host, Wiegand, RS485,

### Floor Button Control Relay

16 Dual Relay

### Number of Ports

2 TCP/IP, 2 Wiegand (26/34/66 bits),  
1 RS485 (OSDP), 1 RS485 (expansion board),  
1 Open, 1 close, 1 AUX output,  
1 AUX in, 1 voice output(coming soon),  
1 LED Output(COMMRUN/PWR/GND),  
1 FIRE, 1 Emergency, 1 Power in,  
1 USB 2.0 port

### Additional Info

Dimension(L\*W): 165\*230mm  
Operating Temperature: -20°C to 55°C  
Storage Temperature: -25°C to 65°C  
Operating Humidity: 10% to 90% RH  
Data Protection: AES256, HTTPS, TLS1.2

### Special Functions

Protocol: ZKTeco A & C Push  
Supported QR Code Reader : QR500/600 Series  
RS485 address Set by DIP switch  
Max Supported Expansion Board: 7pcs (DEX16) over RS485

### Certifications

CE, FCC, ISO9001, ISO14001

### Compatibility

ZKBio CVSecurity

### Power Supply

DC 12V 3A

### Model:

DEX16

### Floor Button Control Relay

16 Dual Relay

### Number of Ports

1 RS485 IN,  
1 RS485 OUT

### Communication

RS485(OSDP)

### Additional Info

Communication to EC16 : RS485  
Operating Temperature : -20°C to 55°C  
Storage Temperature: -25°C to 65°C  
Operating Humidity: 10% to 90% RH  
Dimension(L\*W): 165\*132mm

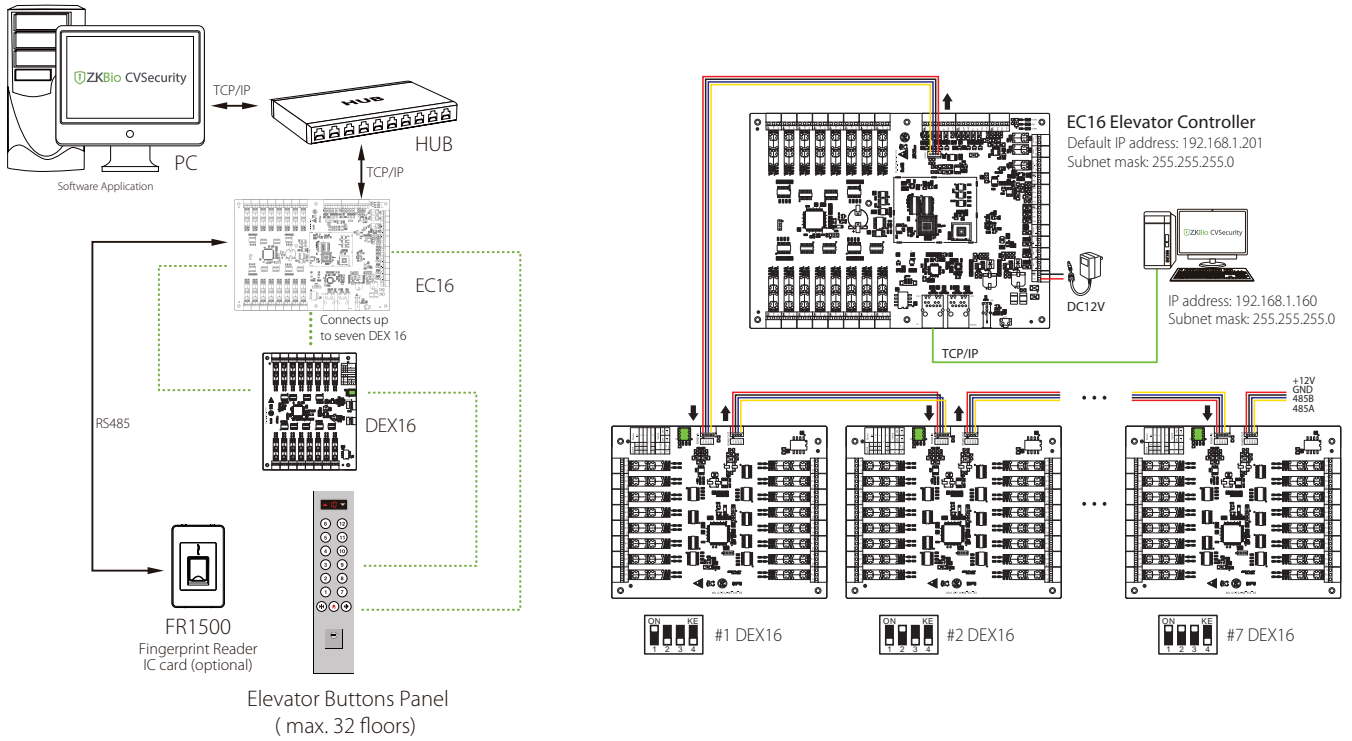
### Certifications

CE, FCC, ISO9001, ISO14001

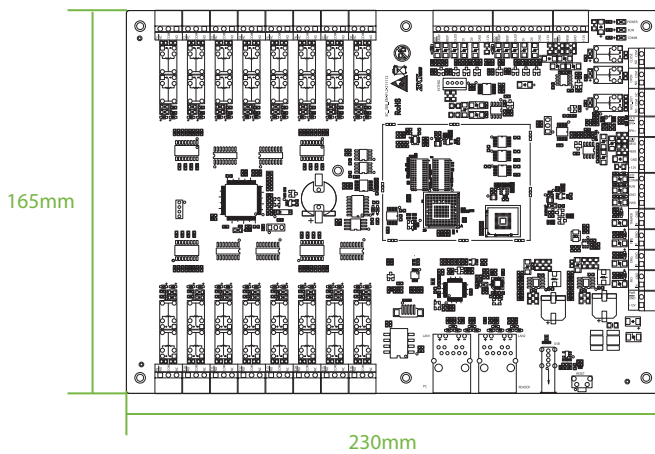
### Power Supply

DC 12V 1A

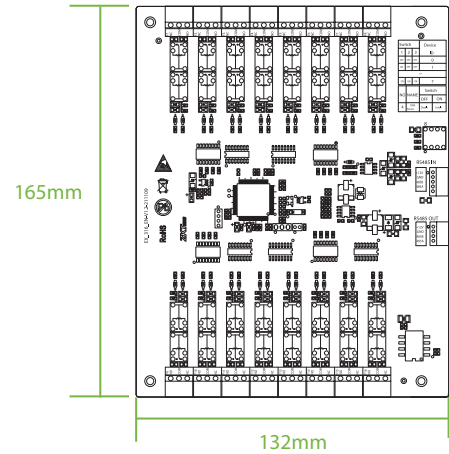
# Configuration



# Dimensions (mm)



EC16



DEX16

