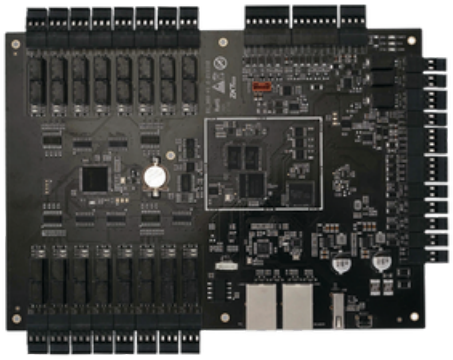
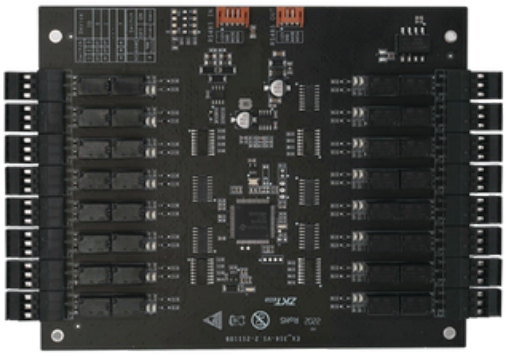
CYBER
Güvenlik & Otomasyon Sistemleri

CYB EC16 & DEX16

Elevator Control Panel &
Elevator Floor Expansion Board



EC16



DEX16

EC16 is the second generation of CYB's company elevator control panel. It can support fingerprint and RFID card verification through RS485 direct connection. 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. 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 (G: 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 boaCrdo)m, patibility

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 SerCieosm munication
RS485 address Set by DIP switch

Max Supported Expansion Board: 7pcs (DEX16) over RS485

Certifications

CE, FCC, ISO9001, ISO14001

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

RS485(OSDP)

Additional Info

Communication to EC16 : RS485

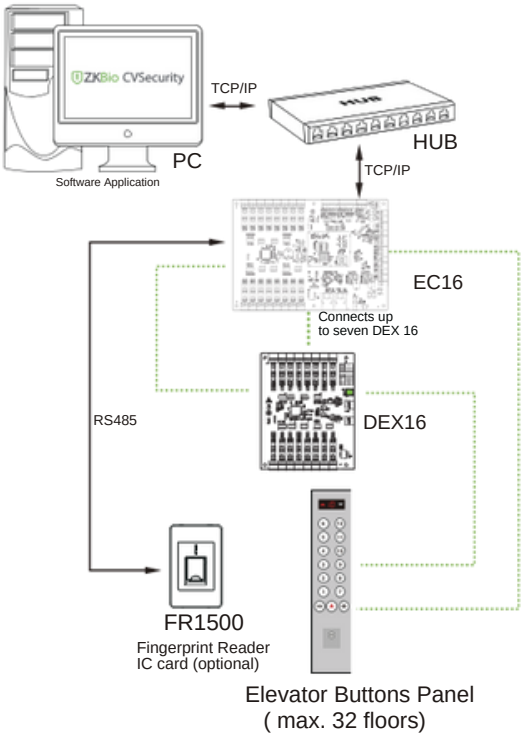
Operating Temperature :-20°C to 55°C

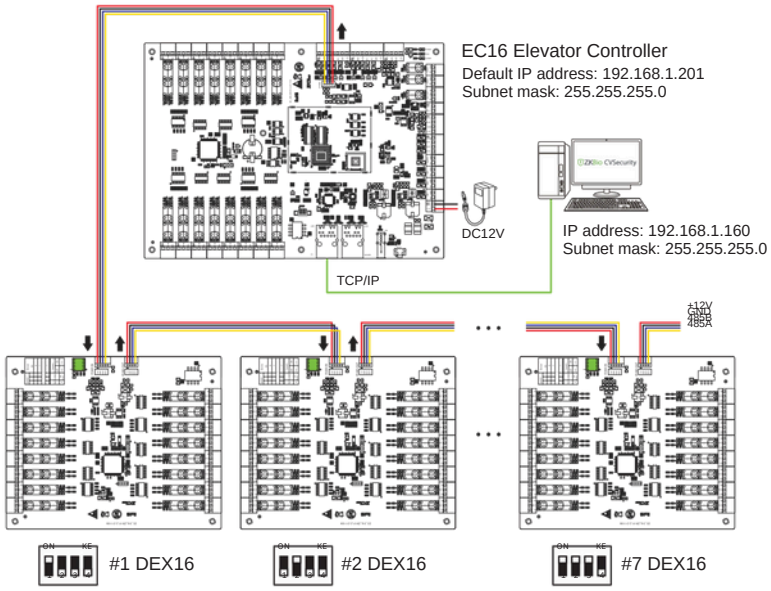
Storage Temperature: -25°C to 65°C
Operating Humidity:10% to 90% RH
Dimension(L*W):165*132mm

Certifications
CE, FCC, ISO9001, ISO14001

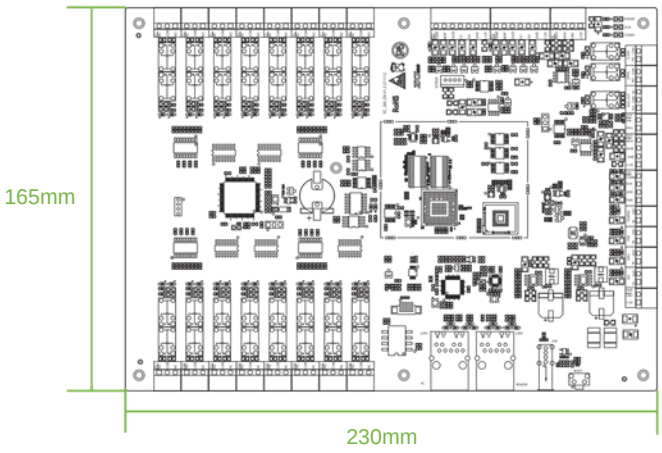
Power Supply
DC 12V 1A

Configur a tion

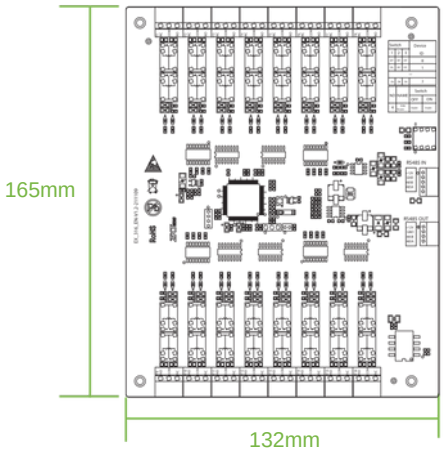




Dimensions (mm)



EC16



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