



C3 Plus Series

IP-based Door Controller
Support 1-Door / 2-Doors / 4-Doors

Compatible with

 ZKBio CVAccess



Introduction

ZKTeco's C3 Plus series is an IP-based controller offering RFID cards and dynamic QR code authentication for access control solutions.

The C3 Plus series includes three models: C3-100 Plus, C3-200 Plus, and C3-400 Plus. This series is designed for small—to medium-sized enterprises and can handle up to 100,000 multi-tech card users and 100,000 dynamic QRcode transactions.

The C3 Plus series has RS-485 interfaces, which ZKTeco's RS-485 protocols and OSDP (Ver 2.1.7) for accessing card readers. It is also compatible with ZKTeco's QR code reader, including QR50, QR500, and QR600. C3 Plus series is highly versatile, with the Wiegand interface (Wiegand format: W26/W34/W66) for seamless integration with third-party access control readers.

The C3 Plus Series levels up data storage encryption by AES 256-bit algorithm. Also, C3 Plus Series adopts the AES 128-bit algorithm encryption to ensure the communication between controller, readers and I/O expansion boards secure. Also, the C3 Plus Series support HTTPS / TLS1.2 protects communications between the server and the web client.

Features

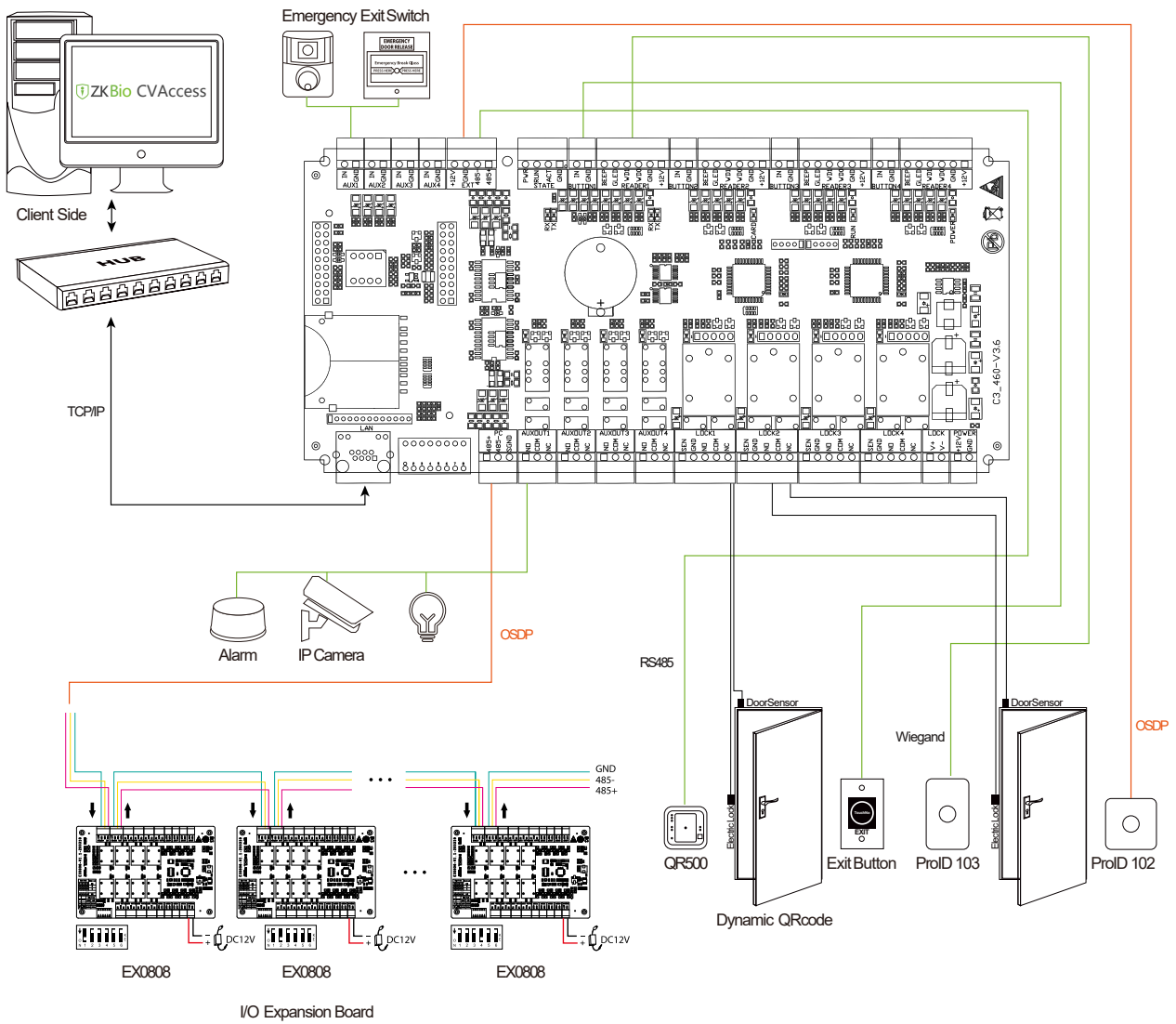
- Access points capacity: 1 / 2 / 4 Access Points.
- Multiple Authentication Methods: RFID Cards / Dynamic QRCode / Password.
- Optimal Capacity for small to medium enterprise. Supports 100,000 QR Code capacity and 100,000 RFID card capacity.
- Features ZKTeco's RS-485 protocols and OSDP (Ver 2.1.7) for connecting card readers, and it is compatible with ZKTeco's QRcode readers such as QR50, QR500, and QR600.
- Highly versatile with Wiegand interfaces (Input) for integrating with third party card reader equipped with Wiegand interface (Wiegand format W24/W34/W66).
- Supports the I / O expansion board, EX0808 with 8 inputs and 8 outputs (via RS-485 connection).
- Supports firmware protocol access control push and compatible with ZKBio CVAccess.

Specifications

| Model | C3-100 Plus | C3-200 Plus | C3-400 Plus |
|-----------------------------|---|---|---|
| Operation System | Linux OS | | |
| Hardware | CPU: Single Core @1.0GHz RAM: 128MB; ROM: 256MB | | |
| Authentication Method | Card / Password / QRCode | | |
| Access Point Capacity | 1 Access Point | 2 Access Points | 4 Access Points |
| Reader Capacity | 2*RS-485 Readers (ZKTeco RS-485 / OSDP), 2* 26 / 34 / 66 bit Wiegand Readers | 4*RS-485 Readers (ZKTeco RS-485 / OSDP), 4*26 / 34 / 66-bit Wiegand Readers | 8*RS-485 Readers (ZKTeco RS-485 / OSDP), 4*26 / 34 / 66-bit Wiegand Readers |
| IO Expansion Board Capacity | 8pcs EX0808 (RS-485 connection) | | |
| User Capacity | 100,000 | | |
| Card Capacity | 100,000 (1:N) (Standard) | | |
| QRCode Capacity | 100,000 (Static QRCode / Dynamic QRCode) | | |
| Transaction Capacity | 500,000 (Standard) | | |
| Number of Inputs | 1*Exit Button, 1*DoorStatus, 1*AUX Inputs or 64 (with 8pcs of EX0808 IO expansion board) | 2*Exit Button, 2*DoorStatus, 2*AUX Inputs or 64 (with 8pcs of EX0808 IO expansion board) | 4*Exit Button, 4*DoorStatus, 4*AUX Inputs or 64 (with 8pcs of EX0808 IO expansion board) |
| Number of Outputs | 1*Form C Relay forLock, 1*Form C Relay forAux Output or 64 (with 8pcs of EX0808 IO expansion board) | 2*Form C Relay forLock, 2*Form C Relay forAux Output or 64 (with 8pcs of EX0808 IO expansion board) | 4*Form C Relay orLock, 4*Form C Relay forAux Output or 64 (with 8pcs of EX0808 IO expansion board) |
| Max. Card Length | Supports up to 66 bits Card Length | | |
| QR Code | QRcode, PDF417, Data Matrix, MicroPDF417, Aztec scanning in third-party development projects. Dynamic QRcodes on the ZKBio CVAcess mobile application. | | |
| Communication | TCP/IP *1 RS-485: ZKTeco RS-485/OSDP *1 Wiegand (Input)*2 USB: Type A (USB Drive Only)*1 Aux Inputs *1, Aux Outputs *1, Electric Lock*1, Door Sensor*1, Exit Button*1, Alarm*1 | TCP/IP *1 RS-485: ZKTeco RS-485/OSDP *1 Wiegand (Input)*4 USB: Type A (USB Drive Only)*1 Aux Inputs *2, Aux Outputs *2, Electric Lock*2, Door Sensor*2, Exit Button*2, Alarm*2 | TCP/IP *1 RS-485: ZKTeco RS-485/OSDP *1 Wiegand (Input)*4 USB: Type A (USB Drive Only)*1 Aux Inputs *4, Aux Outputs *4, Electric Lock*4, Door Sensor*4, Exit Button*4, Alarm*4 |
| Standard Functions | Webserver, Upto 14-digit User ID, Access Levels, Access Groups, Holidays, Anti-passback, Anti-tailgating, Linkage, Global Linkage, Multiple Verification Methods | | |
| Access Control Interface | Wiegand (Card Reader) RS-485 (RS-485 Card Reader / QRCode Reader) | | |
| Power Supply | 9.6V - 14.4V DC | | |
| Operating Temperature | 0°C to 45°C | | |
| Operating Humidity | 20% to 80% RH (Non-condensing) | | |
| Dimensions (mm) | 175 mm*99 mm*19.3 mm (L*W*H) | 175 mm*99 mm*19.3 mm (L*W*H) | 215.88 mm*99.14 mm*19.3 mm(L*W*H) |
| Gross Weight | 0.263 Kg | 0.296 Kg | 0.357 Kg |
| Net Weight | 0.158 Kg | 0.190Kg | 0.252 Kg |
| Supported Software | ZKBio CVAcess | | |
| Installation | Supported Wall-mount with Metal Enclosure (Optional) | | |
| Enclosure(Optional) | Size: 350 mm*90 mm*300 mm (L*W*H) Material: SPCC steel Power Supply Unit: input 110V~240V AC, output 12V4A+1A DC Backup Battery: Space reserved [Recommended Backup Battery size: 151 x 94 x 65 mm (L*W*H)] Gross Weight: 3.35Kg | Size: 350 mm*90 mm*300 mm (L*W*H) Material: SPCC steel Power Supply Unit: input 110V~240V AC, output 12V4A+1A DC Backup Battery: Space reserved [Recommended Backup Battery size: 151 x 94 x 65 mm (L*W*H)] Gross Weight: 3.35Kg | Size: 350 mm*90 mm*300 mm (L*W*H) Material: SPCC steel Power Supply Unit: input 110V~240V AC, output 12V4A+1A DC Backup Battery: Space reserved [Recommended Backup Battery size: 151 x 94 x 65 mm (L*W*H)] Gross Weight: 3.56Kg |

| | | | |
|----------------|----------------------------------|---------------|---------------|
| Certifications | ISO14001, ISO9001, CE, FCC, RoHS | | |
| Factory ID | AC02-C11H-U10 | AC02-C12H-U10 | AC02-C14H-U10 |

Configuration



Dimensions (mm)

