C3 Pro Plus Series

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

Compatible with
ZKBio CVAccess

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C3-100 Pro Plus C3-200 Pro Plus C3-400 Pro Plus

Introduction

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

The C3 Pro Plus series includes three models: C3-100 Pro Plus, C3-200 Pro Plus, and C3-400 Pro 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 QR code transactions.

The C3 Pro 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 Pro 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 Pro Plus Series levels up data storage encryption by AES 256-bit algorithm. Also, C3 Pro 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 Pro Plus Series support HTTPS / TLS1.2 protects communications between the server and the web client.

Features

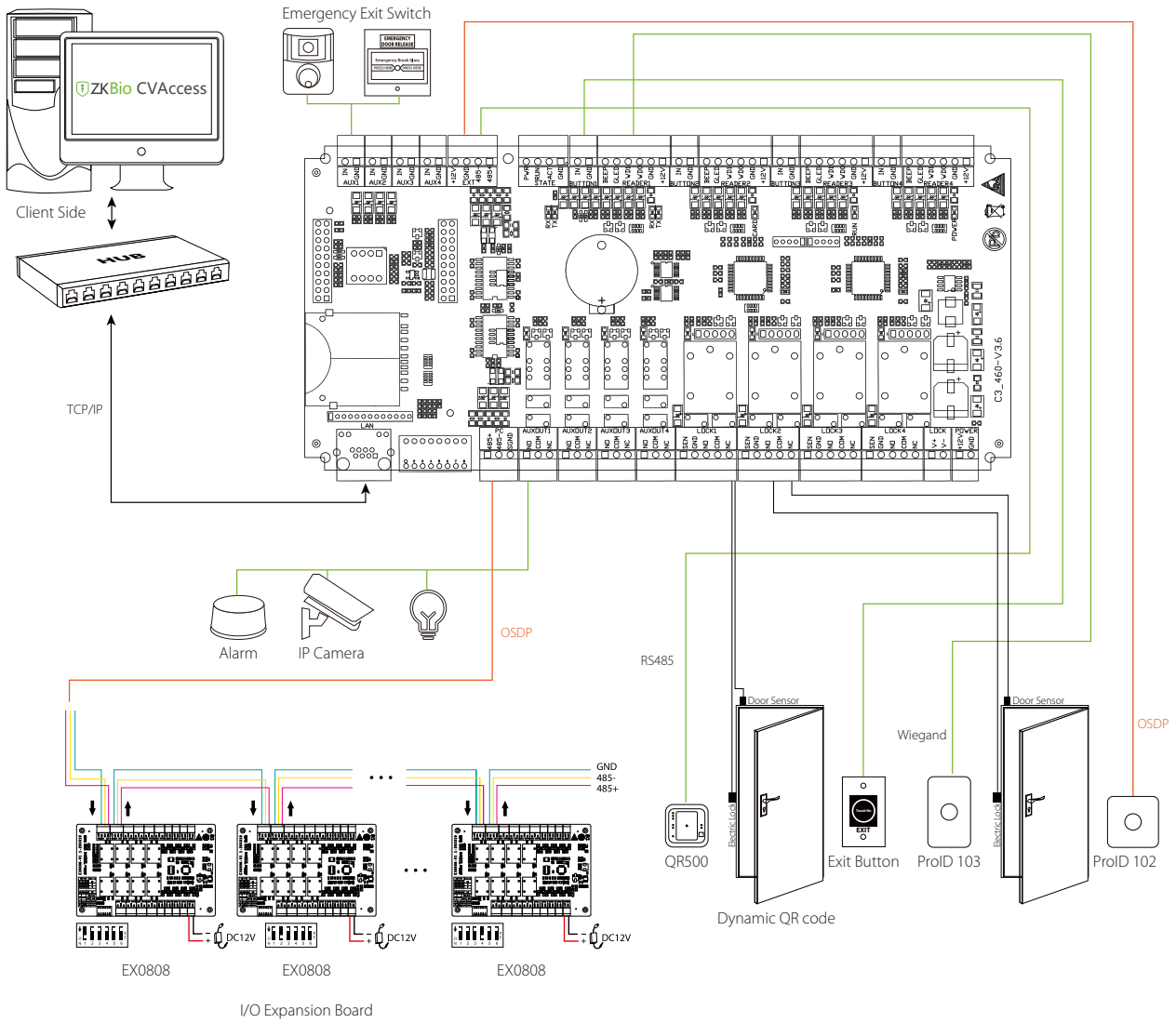
- Access points capacity: 1 / 2 / 4 Access Points.
- Multiple Authentication Methods: RFID Cards / Dynamic QR Code / Password.
- Optimal Capacity for small to medium enterprise. Supports 100,000 QR Code capacity and 100,000 RFID card capacity.
- Features ZKTeco's RS-485 protocols and OSDP (Ver 2.1.7) for connecting card readers, and it is compatible with ZKTeco's QR code 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

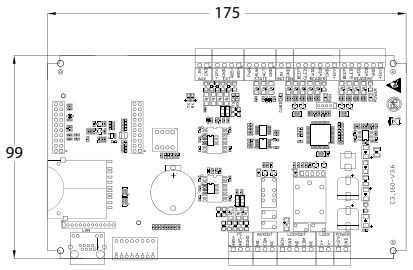
Model	C3-100 Pro Plus	C3-200 Pro Plus	C3-400 Pro Plus
Operation System	Linux OS		
Hardware	CPU: Single Core @ 1.0GHz RAM: 128MB; ROM: 256MB		
Authentication Method	Card / Password / QR Code		
Access Point Capacity	1 Access Point	2 Access Points	4 Access Points
Reader Capacity	2*RS-485 Readers (ZKTeco 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)		
QR Code Capacity	100,000 (Static QR Code / Dynamic QR Code)		
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	QR code, PDF417, Data Matrix, MicroPDF417, Aztec scanning in third-party development projects. Dynamic QR codes on the ZKBio CVAccess 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 / QR Code 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 CVAccess		
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 12V 4A+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 12V 4A+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 12V 4A+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

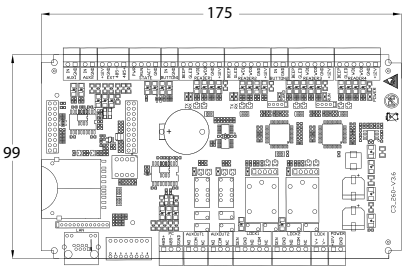
Configuration



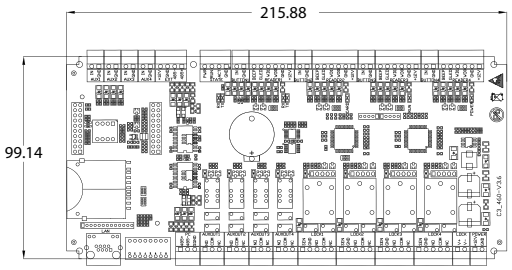
Dimensions (mm)



C3-100 Pro Plus



C3-200 Pro Plus



C3-400 Pro Plus

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