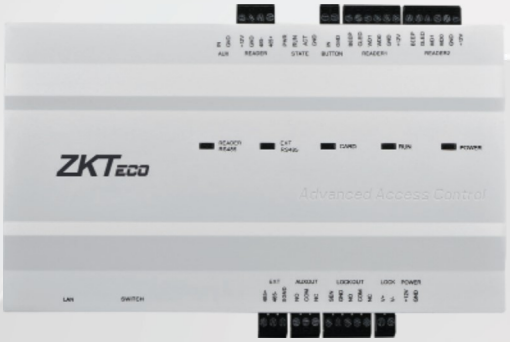
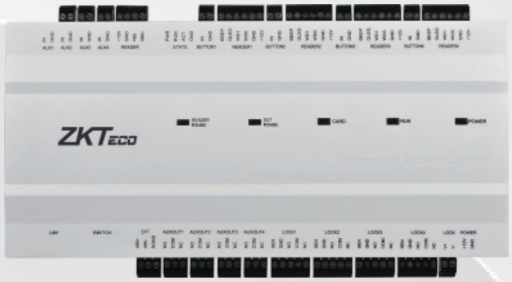
InBio Pro Plus Series

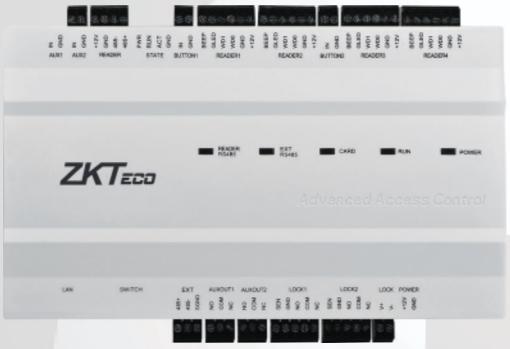
IP-Based Biometric Access Control Panel



InBio160 Pro Plus



InBio460 Pro Plus



InBio260 Pro Plus



InBio460 Pro Plus Package B

InBio Pro Plus Series is a project oriented, high-end product line with distinctive features, including embedded facial and fingerprint authentication, as well as advanced access control functions. Equipped with TCP/IP, it enables robust remote management and connectivity over local (LAN) and wide area networks (WAN), enhancing deployment flexibility and scalability.

Comprising the InBio160 Pro Plus, InBio260 Pro Plus, and InBio460 Pro Plus models, the system supports up to 3,000 face templates and 20,000 fingerprint templates, a maximum of 100,000 card users, and 100,000 dynamic QR code capacity.

The InBio Pro Plus Series adopts RS-485 interfaces supporting ZKTeco's RS-485 protocols for facial reader (KF1100 Pro/ KF1200 Pro) and fingerprint reader (FR1200/ FR1500S). InBio Pro Plus Series also accommodates ZKTeco's RS-485 and OSDP (Ver 2.1.7) for card reader access and the Series is compatible with ZKTeco's QR code readers (QR50 / QR500 / QR600). Also, the InBio Pro Plus Series integrates seamlessly with third-party access control readers via Wiegand interface (W26/ W34/ W66).

To enhance data security, the InBio Pro Plus Series employs the AES 256-bit algorithm encryption to protect data storage. Also, it utilizes the AES 128-bit algorithm encryption for communication with readers over RS-485 (ZKTeco's RS-485 or OSDP). Additionally, the InBio Pro Plus Series ensures secure communictions between the server and the web client through HTTPS / TLS1.2 encryption.

Features

Embrace Multi Biometrics Authentication
InBio Pro Plus Series is equipped with embedded facial, fingerprint and card authentication. With RS-485 interfaces, InBio Pro Plus Series is compatible with the ZKTeco's KF1100 Pro/ KF1200 Pro (face reader) and FR1200/ FR1500S (fingerprint reader). It allow swiftly transmit face or fingerprint templates to the InBio Pro Plus via RS-485

Communication
InBio Pro Plus controllers can be installed easily on your network and support HTTP / HTTPS communication. Web server allows setting and modification of network parameters directly and easily.

Elevated Capacity and Data Security
Support a maximum of 3,000 face template ,up to 20,000 fingerprint templates, up to 100,000 card users and a maximum of 100,000 Dynamic QR code capacity . By employing the AES 256-bit algorithm for data encryption, the system safeguards against data loss in the event of a power outage or interrupted network connection.

Reduce Maintenance Cost
The InBio Pro Plus Series allows for remote online firmware updates by ZKBio CVSecurity, facilitating seamless updates not only for the controller but also for the slave RS-485 readers, thereby reducing maintenance expenses.

Seamless RFID Authentication Integration
With an RS-485 and Wiegand input reader interface, the InBio Pro Plus Series effortlessly connects with ZKTeco's RS-485/ OSDP (Ver 2.1.7) card readers and supports Wiegand reader formats (W26/ W34 / W66).

Expanded Control and Interface Capabilities
After programming, auxiliary relays can be configured to operate lighting systems, alarm units, and intrusion detection panels. These relays can also interface with supplementary locking mechanisms and gate controllers, enhancing overall security and automation.

Three unique InBio Pro Plus Models Available
InBio Pro Plus series comprises three models to suit various project needs. InBio Pro Plus consists of 1-door, 2-door, and 4-door models, that can be mixed and matched in an optimized system architecture and to reduce the cost of unused capacity. architecture.

Advance Access Control Functions
Equipped with a suite of standard access control functions including a built-in web server, support for up to 14-digit User IDs, customizable access levels and groups, holiday scheduling, anti-passback, anti-tailgating measures, linkage capabilities, global linkage settings, support for multiple verification methods, and the ability to integrate up to eight expansion boards.

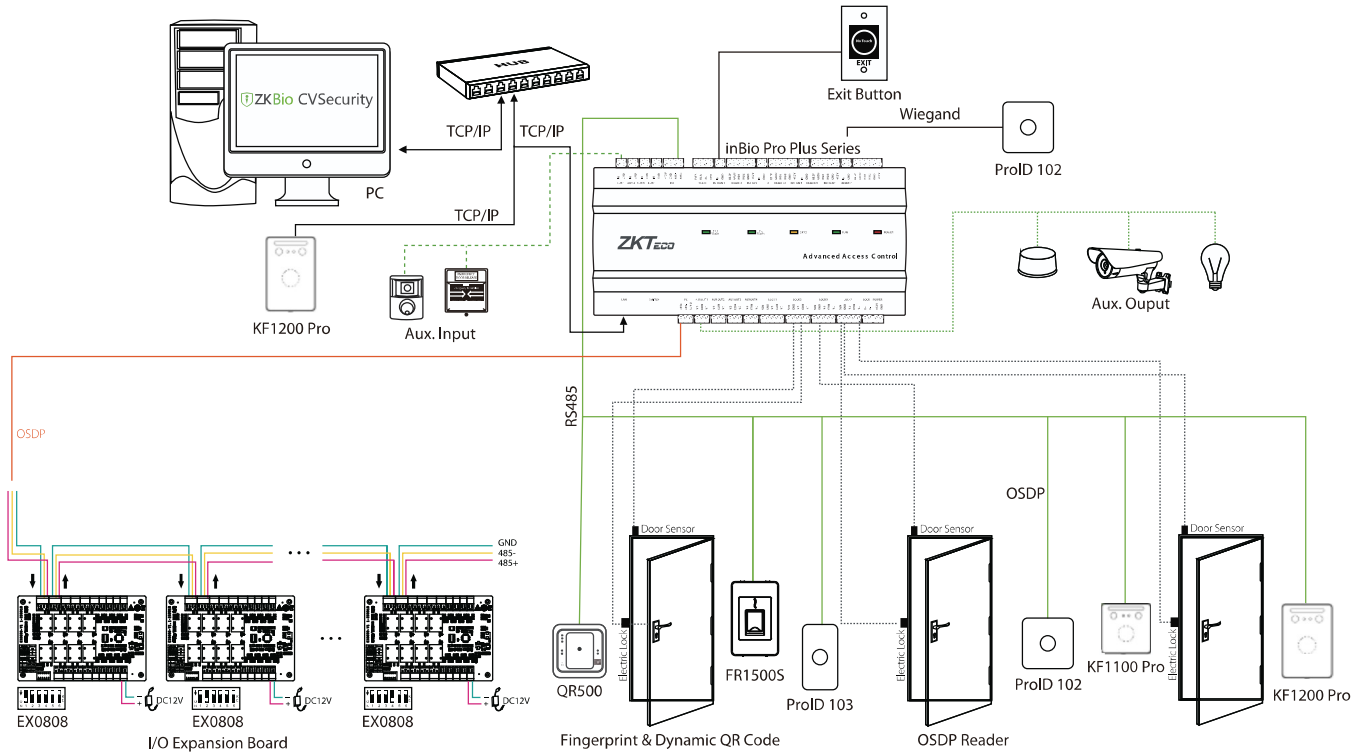
Enhanced Security with Dynamic QR Code
Utilizing an RS-485 QR reader and ZKBio CVSecurity app, the InBio Pro Plus Series offers Dynamic QR codes and integrates with the visitor module, allowing visitors to access authorization by simply opening an HTML page on their smartphone.

Specifications

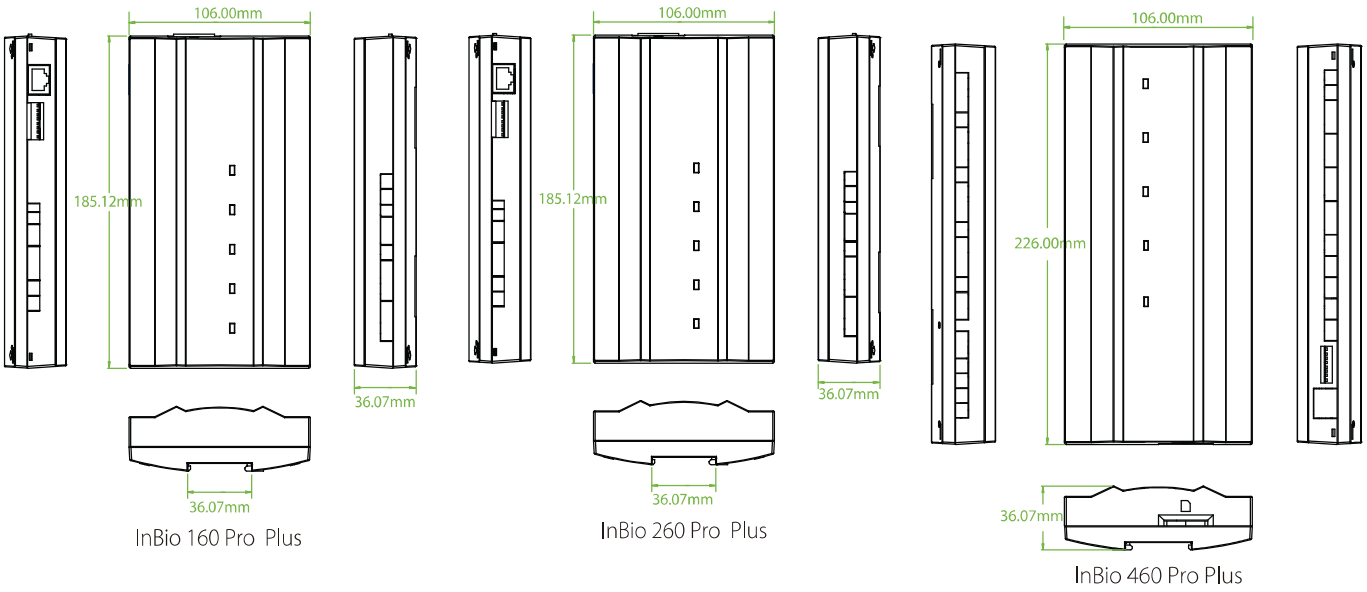
Model	InBio160 Pro Plus	InBio260 Pro Plus	InBio460 Pro Plus
Operation System	Linux OS		
Hardware	CPU: Single Core@1.0GHz RAM: 128MB; ROM: 256MB;		
Authentication Method	Card / Password / Fingerprint / Face / QR Code		
Access Point Capacity	1 Access Point	2 Access Points	4 Access Points
Reader Capacity	2*RS-485 Readers (ZKTecoRS-485 / OSDP), 2*26/34/66 bit Wiegand Readers	4*RS-485 Readers (ZKTecoRS-485 / OSDP), 4*26/34/66-bit Wiegand Readers	8*RS-485 Readers (ZKTecoRS-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)		
Fingerprint Template Capacity	20,000 (1:N) (Standard)		
Face Template Capacity	3,000 (1:N) (Standard)		
QR Code Capacity	100,000 (Static QR Code / Dynamic QR Code)		
Transaction Capacity	500,000 (Standard)		
Biometric Algorithm	ZKFingerprint V10.0 / V13.0(Default) ZKLiveface 3.5 / 4		
Biometric Authentication Speed	<0.3s @ Fingerprint <0.3s @ Facial		
False Acceptance Rate (FAR) %	FAR ≤ 0.0001% @ Fingerprint FAR ≤ 0.01% @ Facial		

False Rejection Rate (FRR) %	FRR ≤ 0.01% @ Fingerprint FRR ≤ 0.02% @ Facial		
Number of Inputs	1*Exit Button, 1*Door Status, 1*AUX Inputs or 64 (with 8pcs of EX0808 IO expansion board)	2*Exit Button, 2*Door Status, 2*AUX Inputs or 64 (with 8pcs of EX0808 IO expansion board)	4*Exit Button, 4*Door Status, 4*AUX Inputs or 64 (with 8pcs of EX0808 IO expansion board)
Number of Outputs	1*Form C Relay for Lock, 1* Form C Relay for Aux Output or 64 (with 8pcs of EX0808 IO expansion board)	2*Form C Relay for Lock, 2*Form C Relay for Aux Output or 64 (with 8pcs of EX0808 IO expansion board)	4*Form C Relay for Lock, 4*Form C Relay for Aux Output or 64 (with 8pcs of EX0808 IO expansion board)
Max. Card Length	Supports up to 66 bits Card Length		
QR Code	PDF417, Data Matrix, MicroPDF417, Aztec scanning in third-party development projects. Dynamic QR codes on the ZKBio CVSecurity mobile application		
Communication	TCP/IP *1 RS-485: ZKTeco RS-485 / OSDP (Optional)*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 (Optional)*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 (Optional)*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, Linkage, Global Linkage, Multiple Verification Methods		
Access Control Interface	Wiegand (Card Reader), RS-485 (RS-485 Card Reader / Fingerprint Reader / Facial Recognition 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 (L*W*H)	185.12mm*106mm*36.07mm	185.12mm*106mm*36.07mm	226mm*106mm*36.07mm
Gross Weight	1.004Kg	1.037Kg	1.098Kg
Net Weight	0.390Kg	0.422Kg	0.494Kg
Supported Software	ZKBio CVSecurity		
Installation	Supported DIN Rail mount / Wall-mount / 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 2A;1A DC Backup Battery: Space reserved [Backup Battery Recommended size: 151 x 94 x 65 mm(L*W*H)] Gross Weight:3.57Kg	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 [Backup Battery Recommended size: 151 x 94 x 65 mm(L*W*H)] Gross Weight:3.57Kg	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 [Backup Battery Recommended size:151 x 94 x 65 mm(L*W*H)] Gross Weight:3.77Kg
Certifications	ISO14001, ISO9001, CE, FCC, RoHS		
Factory ID	AC02-CB11H-U10	AC02-CB12H-U10	AC02-CB14H-U10

Configuration



Dimensions (mm)



ZKTECO CO.,LTD. www.zkteco.com E-mail: sales@zkteco.com

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