

DE-10

Professional Door Unit

Compatible with



The DE-10 is a state-of-the-art PoE door control unit meticulously designed for seamless integration with the primary controller, InBioPC-800. This unit is equipped with a comprehensive suite of access control interfaces, including connections for electric locks, door sensors, exit buttons, auxiliary inputs and outputs, tamper detection, two Wiegand readers (for both entry and exit), and RS485 card and fingerprint readers. The DE-10 operates exclusively in conjunction with the InBioPC-800, which functions as the central data collection hub. The DE-10 itself does not store or process data; it transmits all collected information to the backend system for processing, ensuring secure and efficient data management.

The InBioPC-800 primary controller is equipped with 8 PSE interfaces, enabling the connection of up to 8 DE-10 units, thereby facilitating the control of up to 8 doors. This scalability makes it an ideal solution for both small and large-scale access control needs, offering flexibility and robust performance.

Features

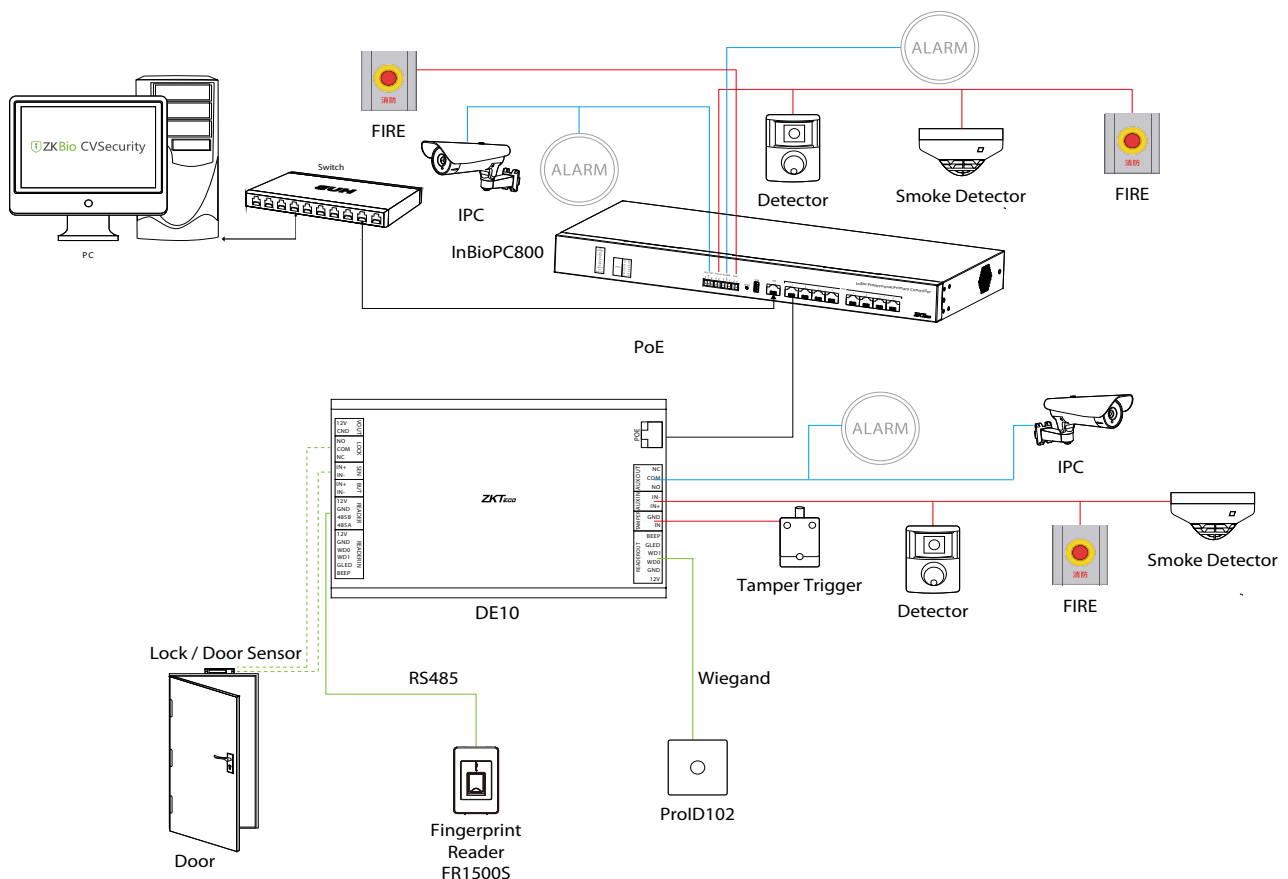
- One Door Access Point Onboard provides a dedicated access point for a single door.
- Complies with IEEE 802.3 at PoE ensures compatibility with Power over Ethernet standards for efficient power and data transmission.
- High-Speed TCP/IP Communication facilitates efficient data transfer to the primary controller InBioPC-800.
- Extensive Interface Support includes connections for electric locks, door sensors, exit buttons, auxiliary inputs and outputs, Wiegand readers (for entry and exit), and RS485 readers.

Specifications

Model	DE-10
Onboard Visual Indicator	RUN (GREEN) : Slow Flashing=Normal Use Flashing=Host not connected OFF=No Power;
Operation System	N/A
Hardware	CPU: ARM Cortex™-M4F RAM: 144KB, FLASH: 512KB
Authentication Method	N/A (Managed by the Primary Controller)
Access Point Capacity	Onboard Access Point: 1
Reader Capacity	2 * RS-485 Readers (ZKTeco RS-485), 2 * 26 / 34 / 66 bit Wiegand Readers
IO Expansion Board Capacity	N/A
Authentication Method	N/A (Managed by the Primary Controller)
Supported Primary Controller	InBioPC 800
Fingerprint Template Capacity	N/A (Managed by the Primary Controller)
Card Capacity	N/A (Managed by the Primary Controller)
QR Code Capacity	N/A (Managed by the Primary Controller)
User Capacity	N/A (Managed by the Primary Controller)
Transaction Capacity	N/A (Managed by the Primary Controller)
Number of Inputs	1 * AUX Input 1 * Door Status 1 * Exit Button 1 * Tamper 2 * Wiegand Input 1 * RS485
Number of Outputs	1 * Form C Relay for Lock 1 * Form C Relay for AUX Output
Supported Biometric Algorithm	N/A (Managed by the Primary Controller)
Max. Card Length	N/A (Managed by the Primary Controller)
QR Code	N/A (Managed by the Primary Controller)
Communication	TCP/IP * 1 RS485: ZKTeco RS485 * 1 Wiegand (Input) * 1 Aux Inputs * 1 Aux Outputs * 1, Electric Lock * 1, Door Sensor * 1, Exit Button * 1, Tamper * 1

Standard Functions	Access Control Expansion
Optional Functions	N/A
Access Control Interface	Wiegand (Card Reader) RS485 (Card / Fingerprint / QR code Reader)
Authentication Speed	N/A (All Capacity Available on the Primary Controller)
Power Supply	Power Input: PoE@IEEE802.3at Power Output: <DC 12V 1A
Operating Temperature	0°C to 45°C
Operating Humidity	20% to 80% RH (Non-condensing)
Dimensions	170mm * 100mm * 25mm (L * W * H)
Gross Weight	0.447KG
Net Weight	0.326KG
Supported Software	ZKBio CVSecurity (with Primary Controller)
Installation	Wall-mount
Enclosure (Optional)	N/A
Housing Material	Aluminium Alloy
Certifications	ISO14001, ISO9001, CE, FCC, RoHS
Factory ID	AC02-EX0101H-P01

Configuration



Dimensions (mm)

