



inBIO 160/260/460

Product Description

inBIO is a new concept access controller based on biometric identification aimed at improving identification security and access control efficiency. inBIO is specially designed to apply for offices and enterprises. To link to software for central management users can choose between Ethernet and serial communication, which allows for large integrated installations as distance between controllers and RS485 readers can reach up to 800 meters. inBIO is very convenient and safe for users to connect other security products to its groove socket. Web-based management helps to supervise local events on e-map and video remotely in real time control. As it combinedly can store and manage both fingerprint templates and RFID codes, the inBIO is one of the world's most complete, secure and efficient access control solutions.



Features

- ✓ Truly biometric identification inside of access controller
- ✓ Supports external SD Card for database back-up
- ✓ 800m distance between RS485 reader and controller at least
- ✓ Quietly brilliant to know about controller's working state by LED indicators
- ✓ Easy to remotely control and know the status of any door
- ✓ Video surveillance linkage
- ✓ Multiple hardware protection measure
- ✓ Integration with Other Security Systems
- ✓ Supports different wiegand reader
- ✓ Input/Output Ports to Control Doors Variety of Communication Function
- ✓ Variety of Communication Function
- ✓ B/S structure software
- ✓ Normal open after first punch card can be setup
- ✓ Real-time Monitoring of Door status
- ✓ Simple Access Control System Configuration
- ✓ Interlock function
- ✓ Multi-card operation
- ✓ Anti-Passback
- ✓ Duress Mode
- ✓ SDK available



Specifications

Capacity

| | |
|----------------------|---------|
| Fingerprint Capacity | 3000 |
| Card Capacity | 30.000 |
| Event Buffer | 100.000 |

Hardware

| | |
|--------------|----------------|
| CPU | 32bit MIPS CPU |
| RAM | 32MB |
| Flash Memory | 128MB |

Software

| | |
|----------|--------------------|
| Software | ZKAccess 3.5 & 5.0 |
|----------|--------------------|

Environment

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|-----------------------|---|
| Operating Temperature | 0°to +55°C |
| Operating Humidity | 10% to 80% relative humidity non-condensing |

Power

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|-------|------------------------------|
| Power | DC 9.6V-14.4V, Rated Max. 1A |
|-------|------------------------------|

Dimensions

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|-------------------------------------|------------------------------------|
| Dimension (H*W*D) (Single Board) | inBIO160: 185 x 106 x 36 mm |
| | inBIO260: 185 x 106 x 36 mm |
| | inBIO460: 226 x 106 x 36 mm |

| | |
|--------------------------------------|--------------------------------------|
| Dimension (H*W*D) (Metal Cabinet) | inBIO160: 400 x 330 x 90.5 mm |
| | inBIO260: 400 x 330 x 90.5 mm |
| | inBIO460: 400 x 330 x 90.5 mm |

Communication

Wiegand Reader Port **inBIO160:** 2ea (26bit Wiegand, 8bit Burst for PIN)
inBIO260: 4ea (26bit Wiegand, 8bit Burst for PIN)
inBIO460: 4ea (26bit Wiegand, 8bit Burst for PIN)

RS485 Reader Port Communication 1ea Extended RS485 Port
 RS485, TCP/IP

SD card slot Yes

Baud Rate 38,400bps (Recommended) / 9600bps, 19,200bps, 57,600bps (selectable)

Input Port **inBIO160:** 2ea (Exit Button#1, Door Sensor#1)
inBIO260: 4ea (Exit Button#1, Door Sensor#1; Exit Button#2, Door Sensor#2)
inBIO460: 8ea (Exit Button#1, Door Sensor#1; Exit Button#2, Door Sensor#2; Exit Button#3, Door Sensor#3; Exit Button#4, Door Sensor#4)

Output Port **inBIO160:**

- 1ea (1 FORM-C Relay Output, SPDT 5A@36VDC/8A@30VAC)
- 1ea (1 Aux FORM-C Relay Output, SPDT 2A@30VDC)

inBIO260:

- 2ea (2 FORM-C Relay Output, SPDT 5A@36VDC/8A@30VAC)
- 2ea (2 Aux FORM-C Relay Output, SPDT 2A@30VDC)

inBIO460:

- 4ea (4 FORM-C Relay Output, SPDT 5A@36VDC/8A@30VAC)
- 4ea (4 Aux FORM-C Relay Output, SPDT 2A@30VDC)

Connectivity diagram

