



SoftCon GmbH

Access control box ZB Bi 402/404

for up to 2 or 4 biometric reader

- This intelligent computer-guided ZB Bi402/404 access control box for up to four contactless reader
- A high safety factor is guaranteed by the fact that the box can be installed in the area that should be secured
- The box can be operated via network (TCP/IP) and RS485



Professional security for entrances and exits

Either ZB Bi 402 or Bi 404 has been designed for all environments, e.g. buildings, offices, schools, government agencies, businesses, etc. The controller has a serial port and a LAN interface (TCP/IP). This makes it possible to directly integrate the device into the network. The distance between the terminal and the reader was raised up to 800 m because of the RS485 communication.

The both boxes are compatible with many other security products. Because of the LEDs on the front the user can immediately see whether the device is working properly or there is a malfunction. Further, it is possible to show the status of each door in real time.



Example ZB Bi 402

Biometrical identification

The Access Controller directly proofs the biometrical data from the RS485 reader.

Supports external SD Cards for database backup

The box is equipped with an SD card slot that increases the record and protects against database failures.

800 m distance between reader and controller RS485

It is compatible with any RS485 Fingerprint reader and has an communication distance up to 800 m.

Status LED-Display

There are five LED-Display which shows the following: powered, controller active, identification of fingerprints valid and connection between box and reader works fine.

Easy remote controlling status query of all doors

All doors can be opened or closed via remote and the status can be queried simply by the software.

Video-monitoring

A video monitor can be coupled with the box, so for example when an illegal operation of the reader happens, the camera switched to active and records the process on a photo or video.

Various hardware protection measurement

There is an overcurrent protection, over voltage protection and a reverse polarity protection for the power supply, also for the input and output ports.

Integration into other security-systems

This box can be integrated into security systems like CCTV, Firealarm, BAS (Building Automation System) and others.

Input/Output Ports

Over this ports multiple sensors, alarm systems, exit-buttons, electrical locks and other devices can be connected.

Real-time monitoring of door status

The use of management software allows real time monitoring and control of doors, including opening/closing of all doors.

Interlock-Funktion

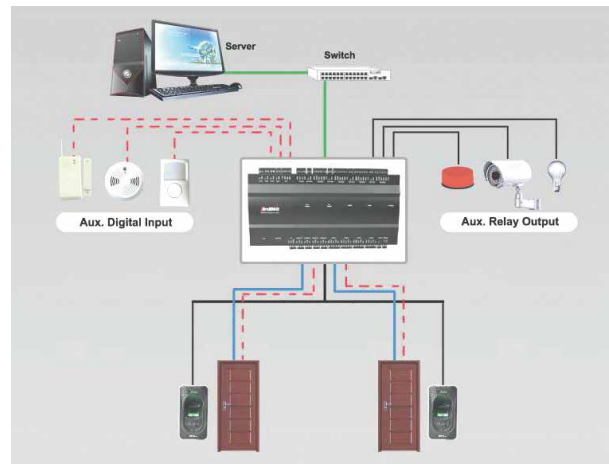
You can link different doors, so one door only opens if other doors are closed.

Multi card operation

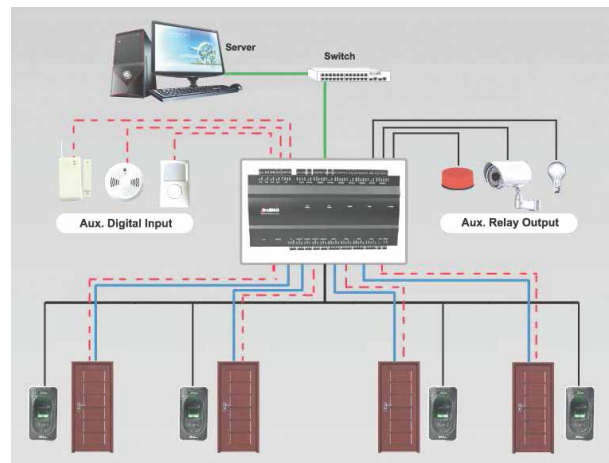
This function is used to manage quest or to secure special rooms. The doors only opened when a certain number could be read by registered cards.

Anti-Passback

This ensures that parking lots and buildings are safe from unauthorized people. For example, by preventing the transfer of the card.



Example ZB Bi 404



Functions	ZB Bi 402	ZB Bi 404
User capacity	30.000	30.000
Fingerprints	3.000	3.000
Transactions	100.000	100.000
Communication	TCP/IP, RS232/485 and USB-Stick	TCP/IP, RS232/485 and USB-Stick
LED indicator	5 indicators	5 indicators
Summer/winter season	Automatic, if parametrized	Automatic, if parametrized
Technical Details	ZB Bi 402	ZB Bi 404
CPU	32bit MIPS	32bit MIPS
RAM	32 Mbits	32 Mbits
Flash Memory	126 Mbits	126 Mbits
Wiegand reader port	4ea (26 bit Wiegand, 8 bit Brust for PIN)	4ea (26 bit Wiegand, 8 bit Brust for PIN)
RS 485 reader port	1ea external RS 485 Port	1ea external RS 485 Port
Input port	4ea Exit Button # 1, 2 Door Sensor # 1, 2	8ea Exit Button # 1, 2, 3, 4 Door Sensor # 1, 2, 3, 4
Output port	2ea (2 AUX from-C Relay Output, SPDT 2A@30VDC	4ea (2 AUX from-C Relay Output, SPDT 2A@30VDC
Power supply	9,6V–14,4V, DC, 1A	9,6V–14,4V, DC, 1A
Dimension in mm	L=400, W=330, D=36	L=400, W=330, D=36
Operation temperature	0° C to 50° C	0° C to 50° C
Operation humidity	10% to 80%	10% to 80%

Other Access

