

Overview

The BS610P-2/3 2/4 Door Controller provides Access Control, Security Management and Building Automation integrated features. It built-in (World's First) revolutionizes field programmable Sedona Framework supports Auxiliary Logic programmes (Follow, Invert, AND, OR, XOR, NAND, NOR etc), User Counting Logic and any Analogue Input value from DDC controller such as HVAC (heating, ventilating, and air conditioning) to provide a seamless access control system integration with BMS system at device level.

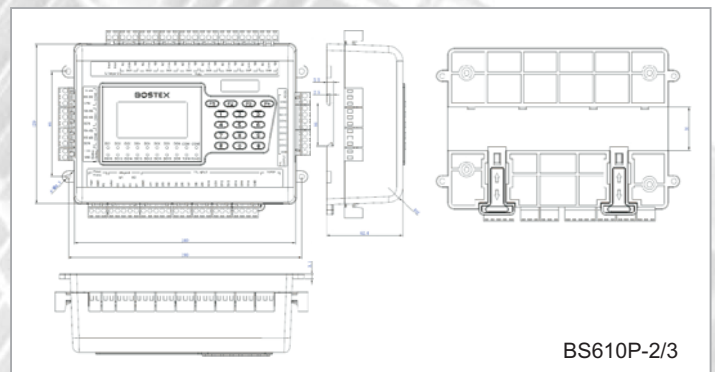
It offers an integral LCD and keypad not only provides the means to easily program and configure the unit but also displays access status messages. In the event of communication loss, the BS610P-2/3 allows nearly all local functionality to continue unimpaired until the server connection is restored. It uses the downstream RS485 two-wire port and function as gateway to connect up to 32 door controllers.

It utilizing its native Ethernet communications and an advanced 32-bits processor featuring an impressive 100,000 card capacity.

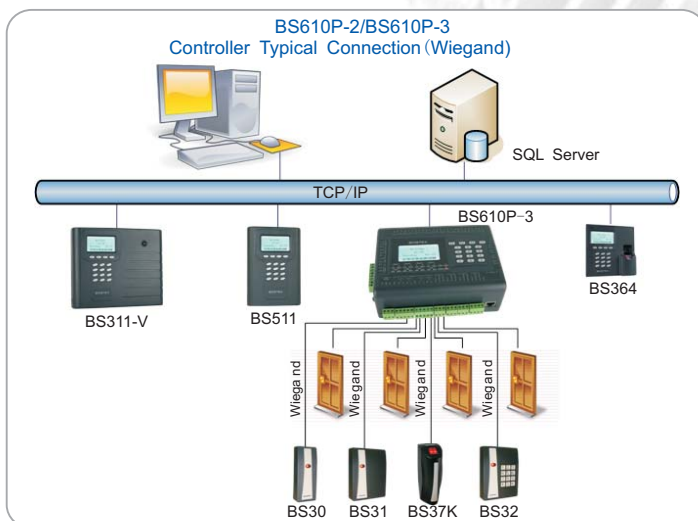
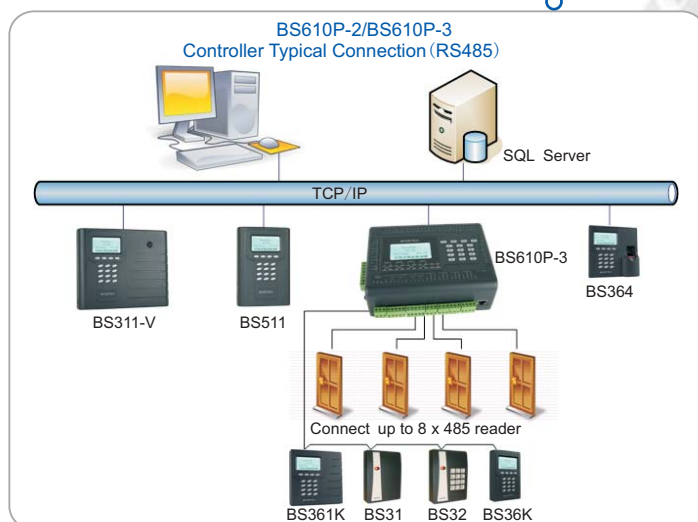
BS610P-2/BS610P-3



Dimensions (Unit: mm)



Connection Diagram



Features

- ★ Design with 32 bit ARM Processor, speed up to 200MHz; running on embedded LINUX OS.
- ★ Standalone Operation or direct connection to PC via TCP/IP. Connection via TCP/IP converter is not required. Transmission speed up to 100 Mbps.
- ★ Store up to 100,000 cards and 100,000 off-line transactions.
- ★ Supports "Toggle Mode". Changes the state of the lock relay output each time a card is presented. Can be used to activate and deactivate an intruder alarm or controlling on/off of large-scale electrical equipment.
- ★ Supports Local and Global Anti-passback (non-forgiveness and forgiveness); option to register APB when door open.
- ★ Supports Door interlocking such that access to a door within the group is allowed only when all the other doors are in closed condition.
- ★ Programmable Card ID, User Group, Time zone, Pin Access.
- ★ Intuitive multiple language menu supported by integral backlit Graphic LCD and keypad.
- ★ Built-in watchdog to prevent the system from locking up and provides auto recovery.
- ★ Supports non-volatile Flash Memory. Data retain up to 10 years without main power.
- ★ Recoverable up to the latest 100,000 transaction if back end system failure.
- ★ Firmware Online Upgrade via TCP/IP.
- ★ Supports Bostex or 3rd party external wiegand reader such as EM, Mifare, HID, iClass, CEPAS, TI and CPU card reader.
- ★ Built-in Sedona Framework™ supported field programmable logic and managing BMS integration at the lowest level; provide decision power at the edge device level.
- ★ CE Certified.

TCP/IP 2/4 Door Controller

BOSTEX

Door Controller Series

BS610P-2/BS610P-3

Functional List

Function	Description
Card Open Door	Present card to external wiegand reader
Card+PIN Open Door	
Security PIN Open Door	Yes; Supports up to 4 digits PIN
Card ID Open Door	
Connection to External Wiegand Reader	Support 26/34 bit or free wiegand card reader
Free Wiegand Setting	Yes. Able to configure card battery low-voltage alarm bit when using long range reader
Connection to PC	(1) Via TCP/IP or RS485 (2) Setup Controller ID 001-255 via keypad (3) Setup IP Address, Subnet Mask and Gateway via keypad
Exit by Push Button	Yes; Supports time zone control.
Door Force Open Alarm	Yes
Door Left Open Alarm	1-255 seconds. Factory default is 10 seconds. Alarm output can be disabled.
Add/Delete Card in standalone mode	Yes
Multi-card Verification	Yes, up to 2 cards (By Card or Control Group)
Wrong PIN Control	During Card + PIN operation, if wrong PIN enter defined times continuously, controller will disable for pre-define duration.
Same Card Delay	Yes, 0-255 seconds. Factory default is 0 second.
Time Zone Control	32 set of time zone
Holiday Control	Yes
Lost/Inhibit Card	Yes
Card Start and Expiry Date Validation	Yes
Door Auto Unlock by Timezone	Yes
Anti-passback	Yes (Local or Global). Able to reset locally, remotely or by time.
Toggle Control	Yes (By any or same user)
Card Number Process	1-4 bytes, 1-10 digits. Default is 4 bytes
Card Number Display Format	HEX, DEC, ABA, User Code. Default is DEC
Communication Monitoring	Yes
External Buzzer Alarm	Enable alarm buzzer when door force open or door left open alarm. Factory default is 'No'.
PIN Control	Supports Exit with or without PIN Control by time zone. Factory default is 'No'.
Timezone Control	Supports Exit with or without Timezone Control. Factory default is 'Yes'.
Tamper Alarm	Built-in tamper input. If controller is opened, an alarm status and record will send to the PC.
Door Sensor Setting	Supports Normally open/close connection type, sensitivity, smart door lock control logic and generate transaction with open/close confirmation.
Door Left Open Restore transaction	Yes
RS485 Reader ID setting	Via controller
Interlock	Setup for any 2 or more doors interlock control
Power Supply Monitoring	Main power failure alert and backup battery low voltage alert
External Backup Battery with charging capability	Yes

Technical Specification

Parameter	BS610P-3	BS610P-2
CPU	32 bits ARM9 processor speed up till 200MHz	
Operating System	LINUX	
Number of Door	4	2
Wiegand Reader Connection	4	4
RS485 Reader Connection	8	4
Door Sensor	4	2
Exit Push button	4	2
TTL Alarm Input	4	2
Door Relay Output	4, 12V/1A	2, 12V/1A
Alarm Relay Output	4, 12V/1A	2, 12V/1A
TTL Alarm Output	8, 5V/300mA	4, 5V/300mA
Tamper Input	1	
Card Capacity	100, 000	
Card Response Time	Less than 0.5 seconds searching from a 100,000 card capacity	
Record Capacity	100, 000	
Serial COM Port	3; COM1 connect to PC or 2 nd level controller/reader via RS485; COM2 connect to RS485 Reader; COM0 RS232 reserved for factory setup	
TCP/IP	1,10/100 Mbps	
JTAG	1	
Keypad	4x4 (0-9,*,#, F1-F4); Blue Backlit	
LCD	128x64 pixels Graphic; White Backlit	
Buzzer	1; Audible sound able to distinguish between valid and invalid card.	
Real Time Clock Battery	JN80H-3, 3.6v	
Power Supply	9~30VDC, 600mA	
Operating Environment	-10~50°C	
Humidity	0%~90% non condensing	
Dimensions	190 x 129 x 63 mm	
Weight	750g	
Casing	ABS flame-resistant	
Mounting	Din rail mount	
Technical Compliance	EN 55022, EN 61000-3-2, EN 61000-3-3, EN 55024 and EN 50130-4	
Certifications	CE marking	

▼ Model Selection

Model	Description
BS610P-2	TCP/IP 2 door controller
BS610P-3	TCP/IP 4 door controller