

IP Digital IO for Door Control & Automation



The Algo 8063 IP Door Controller is a compact PoE powered digital IO interface designed specifically for door opening control and IP integration with facility infrastructure.

The 8063 replaces the Algo 8061 as a secure remote door controller compatible with the Algo 8201, 8036 and 8039 IP door intercoms. Locating the door control interface remotely eliminates any possibility of tampering for unauthorized access. A secure encrypted IP connection between the IP intercom and 8063 allows remote door or gate release for safety, security and convenience using the dial pad of any device registered to the UC platform.

Secure SIP capability (TLS, mTLS, SRTP) enables the 8063 to register with any premise or cloud SIP based UC platform. The two output relays can be activated or de-activated directly from a ring event to a 8063 SIP extension. The 8063 can also be configured to answer the SIP call and request a password for door control or relay activation.

The output relays may also be activated from a multicast stream to activate ancillary equipment, generated for example by an Algo 8301 bell scheduler.

The two low voltage inputs can be used to connect a door sensor contact and/or egress button. Detection of an open door can prevent tailgating by de-activating the

door relay. Door open detection can also be used to stop ringing from a door intercom or to monitor for a jammed door. Other possibilities for the inputs include machine status monitoring or event notification from motion detectors, environmental sensors etc entering the realm of IoT applications. Upon event detection the 8063 can initiate a phone call and play a recorded message.

The 8063 also provides an isolated 24 Vdc battery from PoE rated at 200 mA or 500 mA depending on PoE power availability which can be used in conjunction with the relays to directly energize an electric door strike.

Applications:

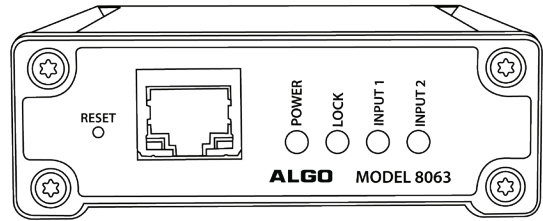
- Secure door control for Algo IP door intercoms
- Door or gate control using SIP
- General purpose relay activation of other equipment
- Handicap door access with egress button
- Automatic door locking or unlocking as part of safety or emergency notification
- Event detection and supervision using relay inputs
- Integration between UC and OT (operational technology)

Specifications

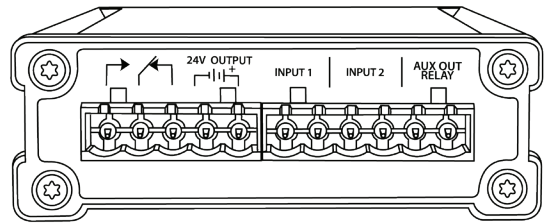
Power Input:	PoE /PoE+ IEEE 802.3af/at. Nominal 2W idle Max 16W if providing 24V 500mA strike power
Network Connection:	Female RJ45 Jack
SIP:	UDP, TCP, TLS, RTP, SRTP, MTLS (Mutual authentication)
Multicast:	Receive up to 50 zones for relay activation
Configuration:	Web interface or provisioning server
Web Interface:	HTTP, HTTPS
Provisioning:	TFTP, FTP, HTTP, HTTPS DHCP Options 66, 150, 160 Reboot via SIP check-sync
Networking:	IPv4, IPv6, DHCP, VLAN, MDNS
Link Layer:	LLDP, CDP
QoS:	DSCP
Supervision:	SNMP V3
NAT:	STUN, TURN, CRLF Keep Alive SIP Outbound
Address Resolution:	DNS, SRV Record
Redundancy:	Secondary and tertiary SIP server
Time:	NTP Server (up to four)
API:	RESTful API (contact Algo for custom applications)
Enclosure:	Anodized aluminum wall mountable
Primary Relay Output	NO, C, NC contacts rated 30V 2A maximum Activated by Algo intercom models: 8201, 8036, 8039 with programmable duration and key code. Or SIP call, multicast or Restful API
Auxiliary Relay Output	NO or NC dry contact rated 30V 1A maximum non- inductive and non-capacitive. Activated by SIP call, multicast or Restful API
Door Relay Power:	Isolated 24Vdc 500mA when powered by PoE+ (30W) Isolated 24Vdc 200mA when powered by standard PoE (15W)
Input 1:	NO or NC dry contact input Functions: Door open, door open detection Compatible with Algo models: 1202, 1203
Input 2:	NO or NC dry contact input Functions: Door open, door open detection Compatible with Algo models: 1202, 1203
Environmental:	Dry indoor use only -40 to +122 deg F (-40 to +50 deg C)
Product Dimensions:	3.25" W x 1.2" H x 5.4" D 8.3 cm W x 3.0 cm H x 13.7 cm D
Shipping Dimensions:	5.5" W x 3.0" H x 8.5" D 14 cm W x 7.6 cm H x 22 cm D
Shipping Weight:	1 Lb (480g)
Regulatory Compliance & Certifications:	IEEE 802.3-2018, RoHS, CE, FCC Class B, CISPR 32 Class B, CISPR 24, CSA/UL (USA & Canada) & IEC 62368-1



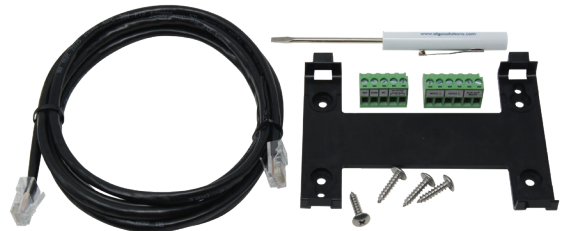
Front View



Rear View



Included Accessories



Order Code:

8063 IP Door Controller

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Note: Specifications are subject to change without notice. Some features may only be available in specific firmware or hardware releases.