

Telephone Integrated Door Security for Convenience and Safety



The Algo 8028 “G2” SIP Intercom is a two-component IP intercom with outdoor rated door station and separate PoE control unit. The door station requires only a single twisted pair connection allowing use of pre-existing wiring. The remotely located control unit provides connectivity to the network and door control connections eliminating any possibility of tampering for door access or network access.

The recently released “G2” version of the 8028 SIP Intercom adds new capabilities in addition to PoE, such as Secure SIP (TLS & SRTP) for enhanced communication security and also RESTful API for enhanced applications.

Integration with a SIP enabled cloud or premise UC platform means that the 8028 SIP Intercom can communicate with any device, telephone or client that is part of the UC environment regardless of geographic location. Visitors press the door station call button to call one or more users who may then speak to the visitor and activate door or gate control with a remote key press. It is also possible to call the 8028 SIP Intercom to initiate a conversation and/or unlock a door or gate equipped with an electric lock mechanism.

The digital outdoor-rated door station includes a corrosion resistant faceplate, conformal coated internal circuitry and jam-proof backlit call button for protection from weather, dust, sand and ice. The door station may

be surface mounted or flush mounted into a 2 gang electrical box or surface mounted using the included plastic bezel.

An input provided at both the door station and control unit allows connection of a door sense contact for detecting door open position. This can be used to prevent tailgating by disabling the door release as soon as the door opens and can also detect door jamming.

Installation and configuration are simplified by the intuitive web interface and centralized provisioning features. Until registered with a SIP server, pressing the call button initiates the door station to speak the IP address for secure HTTPS access to the web interface.

Typical Applications

- Unattended external entrances
- Visitor communication
- Remote access control
- Customer assistance
- Shipping/receiving doors
- Secure internal access
- Parking garages
- Airports
- Hospitals
- Casinos
- School and colleges
- Prisons (using available vandal proof door station)

Specifications

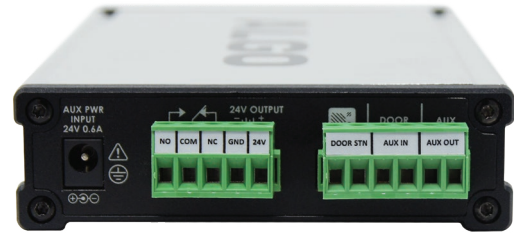
Power Input:	PoE /PoE+ IEEE 802.3af/at. Nominal 2W max 8W Optional 24V DC power supply for non-PoE installation or Earth grounding
Network Connection:	Female RJ45 Jack
SIP:	UDP, TCP, TLS, RTP, SRTP
Multicast:	Receive 50 zones IGMP, RTP
Audio Codecs:	G.711 A-law, G.711 u-law, G.722 Wideband
Configuration:	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)
Door Station Enclosure:	High impact UV stabilized flame retardant plastic with stainless steel (8028) or anodized aluminum (8028V2) faceplate
Door Station Wiring:	Single pair twisted wire 24 AWG up to 1000' (305m) for power, digital signaling and supervision
Call Button Function:	Call SIP extension (speak IP address before registration)
Speaker:	Weatherproof mylar
Microphone:	Omnidirectional
Hands-Free:	Non-blocking two way voice
Audio Memory:	1 GByte audio storage
Door Relay Output:	NO, C, NC contacts rated 30V 1A maximum
Door Relay Power:	24Vdc 500mA when powered by PoE+ 24Vdc 250mA with auxiliary DC power supply (optional)
Door Sensor Input:	Max 6.5 kOhm external resistance. Selectable NC or NO input
Environmental:	Outdoor IP66 -40 to +122 deg F (-40 to +50 deg C)
Door Station Dimensions:	4.5" W x 4.5" H x 1.2" D 11.5 cm W x 11.5 cm H x 3.0 cm D
Mounting:	Flush or surface mount in 2-gang electrical box. The 8028 kit includes a plastic bezel for surface mounting as a convenience. Wall bracket included for control unit.
Regulatory Compliance & Certifications:	IEEE 802.3-2018, RoHS, CE, FCC Class A, CISPR 32 Class A, CISPR 24, CSA/UL (USA & Canada) & IEC 62368-1



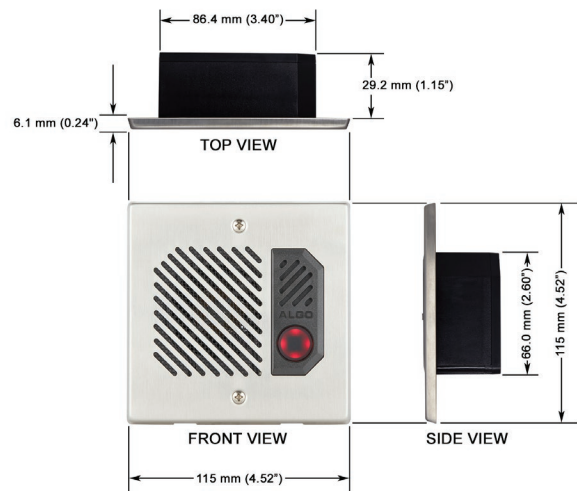
Order Code:

8028 SIP Intercom SST G2

Control Unit Rear View



Door Station Dimensions



Included Accessories

