

A two-piece vandal-proof intercom and door controller solution for secure access point communication.

The 8028V Vandal-Proof IP Doorphone provides two-way communication via a vandal-proof, low-profile intercom and securely stored door controller for secure door or gate entrances, access points, or call stations.



A TWO-PIECE, VANDAL-PROOF SECURE DOOR ENTRY SOLUTION

The Algo 8028V Vandal-Proof IP Doorphone (Controller + Intercom) is a two-device solution that connect to each other via single twisted pair wiring and can be placed up to 1000 ft apart. The 8028V intercom is outdoor-rated with an aluminum anodized faceplate and does not require an additional network cable drop. The 8028V door controller enables all IP functionality from a secure location like a server room.

RETROFIT LEGACY INTERCOM SYSTEMS

The 8028V is the ideal solution for those looking to integrate IP capabilities and vandal-proofing into their communication system while maintaining the placement and wiring of existing legacy intercoms. As a PoE intercom, you can easily add IP features such as device tampering notifications, wideband audio, and multicast.

CONNECT TO VOIP AND UC SYSTEMS

As a SIP-compliant intercom, the 8028V can be integrated with UC platforms like Microsoft Teams, Zoom, and RingCentral as well as other VoIP technology. Configure these connections and other features such as RESTful API, ZTP, and multicast in an intuitive web interface from a remote location or on-site.

KEY FEATURES

- Two-piece solution (controller and intercom) that can be up to 1000 feet apart
- Thick, anodized aluminum faceplate
- UV stabilized flame-retardant plastic
- Vandal-proof grill
- Backlit, tactile, solid call button
- Outdoor-rated
- Wideband HD voice for high intelligibility speech
- Multicast capable
- SIP-compliant
- PoE, PoE+, or DC power supply
- Configuration via user friendly web interface or auto-provisioning

POWER	
POWER INPUT	PoE /PoE+ (IEEE 802.3af/at) 48 V or 24V DC power supply for non-PoE installation or Earth grounding
MAX POWER	9 W (PoE), 23 W (PoE+), 14 W (power supply)
IDLE POWER	2.5 W (PoE), 2.5 W (PoE+), 2.5 W (power supply)
SIP	
SIP EXTENSIONS	One extension to initiate or answer call
SIP SIGNALLING/ TRANSPORT PROTOCOLS	UDP, TCP, RTP
SECURITY	TLS, SRTP, Mutual Authentication
CONNECTIONS & INTEGRATIONS	
RTP MULTICAST	Receive 50 zones
API	RESTful API
THIRD PARTY	<ul style="list-style-type: none"> • Poly Group Page™ • Microsoft Teams®
CONFIGURATION & PROVISIONING	
CONFIGURATION	Web interface or provisioning server
WEB INTERFACE	HTTP, HTTPS
PROVISIONING	<ul style="list-style-type: none"> • TFTP, FTP, HTTP, HTTPS • DHCP Options 66, 150, 160 • Reboot via SIP check-sync
ZTP	Supported
SUPERVISION	Compatible with Algo Device Management Platform (ADMP), Algo 8300 IP Controller, any third-party SNMP monitoring software, and RTCP
NETWORKING	
NETWORK	IPv4, IPv6, DHCP, VLAN, MDNS
CONNECTION	RJ45 Jack
LINK LAYER	LLDP, CDP
SECURITY	IEEE 802.1X
QOS	DSCP (SIP, RTP, RTCP)
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)
AUDIO	
AUDIO CODECS	G.711 A-law, G.711 u-law, G.722 Wideband
TWO-WAY AUDIO	Yes
AUDIO MEMORY	1 GB

INPUT / OUTPUT	
CONTROLLER	
DOOR RELAY OUTPUT	Relay (30V 1A). Normally open, normally closed dry contact.
DOOR RELAY LOCATION	Securely located indoors at the 8028 controller.
24V OUTPUT (DOOR RELAY POWER)	<ul style="list-style-type: none"> • 24Vdc 500mA (PoE+) • 24Vdc 250mA with auxiliary DC power supply (optional)
INTERCOM INPUT	Connect to CTRL terminal of intercom
DOOR SENSOR INPUT	Input to Controller (eg. door contact, doorbell switch); Max 1 kOhm external resistance. Selectable normally open or normally closed input.
AUX OUT	Output from Controller. Max 50 mA 30 V.
INTERCOM	
CTRL	Connect to intercom input of Controller
IN	Dry contact input to intercom (eg. door contact, doorbell switch); Max 1 kOhm
OUT	Internal opto-coupler with 2 V drop from intercom (eg. gate control); Max 50 mA 30 V
BUILT-IN CALL BUTTON	Yes
ENVIRONMENTAL & MECHANICAL	
ENVIRONMENTAL	<ul style="list-style-type: none"> • Intercom: Outdoor rated. -40 to +122 deg F (-40 to +50 deg C) • Controller: Indoor use only. 0 to + 40° C (32 to 104° F); 10-95% RH non-condensing
DIMENSIONS (DOOR STATION)	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)
WEIGHT (DOOR STATION)	0.5 lbs (0.2 kg)
DIMENSION (CONTROLLER)	6.75" x 4.3" x 1.18" (17.2 cm x 10.9 cm x 3.0 cm)
WEIGHT (CONTROLLER)	0.25 lbs (0.1 kg)
DIMENSIONS (SHIPPING)	12" x 9" x 3" (30.5 cm x 22.9 cm x 7.6 cm)
WEIGHT (SHIPPING)	2.6 lbs (1.2 kg)
MOUNTING	Flush mount in 2-gang electrical box. Wall bracket included for control unit.
DOOR STATION ENCLOSURE	High impact UV stabilized flame retardant plastic with anodized aluminum faceplate.
DOOR STATION WIRING	Single pair twisted wire 24 AWG up to 1000' (305m) for power, digital signaling and supervision.
WIRING	Up to 1000 Ft (300m) 24 AWG single twisted pair between the Door Station and the Controller
COMPLIANCE	
RoHS, CE, FCC Class A, CISPR 32 Class A, CISPR 24, CSA/UL (USA & Canada)	

FRONT



BACK



ORDERING CODES:

8028V Vandal-Proof IP Doorphone (Controller + Intercom)

