IP Controller for Device Management and Supervision

Oversee your entire range of Algo IP Endpoints from a single dashboard, manage devices, and receive immediate notifications of status change.

The 8300 IP Controller is an endpoint supervision tool designed for centralized device monitoring and management for Algo IP Endpoints. The 8300 provides system reliability for mission-critical voice paging / public address (PA) and emergency notification systems.

As a supervision tool, the Algo 8300 offers a display of Algo devices on a single dashboard to be seen at a glance. Device status conditions for Algo IP Endpoints can include software version, firmware upgrade availability, SNMP disabled, and a warning if the Controller cannot reach a device.

Devices registered on the network can be easily managed by the Algo 8300 IP Controller. Multiple activities can be performed on Algo IP Endpoints, enabling users to easily organize, group, and locate devices.

The Algo 8300 can instantly notify users via an alert or email when a device is unable to be reached or goes offline. With multicast capabilities, the 8300 can be configured to multicast to any number or combination of Algo endpoints to notify users when a device is offline. Email notifications can also be configured instead of or simultaneously with endpoint alerts to ensure system IT managers are made aware of device status changes.

FEATURES

— Network supervision and monitoring of Algo IP Endpoints.
— Manage devices from the dashboard.
— View device info and status of registered Algo IP Endpoints.
— Receive email notifications of device status changes (i.e. disconnection).
— Secure SIP using TLS and SRTP.
— Accessible via device web interface.
— PoE powered (IEEE 802.3af).

APPLICATIONS

— Ideal for large deployments.
— Integrator deployment tool for instant device monitoring and management.
— Provide notification alerting for device disconnect or updates.
— For mission critical paging and emergency notification system reliability.
— Where IT administrative procedures require proactive management of network devices to minimize impact of offline and disconnected endpoints.
— Locate all Algo IP Endpoints registered on your network.

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POWER

POWER INPUT	PoE (IEEE 802.3af Class 0) 48 V, 12.95 W
MAX POWER	4 W
IDLE POWER	2 W

SIP

SIP EXTENSIONS	One extension for Alert of offline devices
SIP SIGNALLING/ TRANSPORT PROTOCOLS	UDP, TCP, RTP
SECURITY	TLS, SRTP, Mutual Authentication
AUDIO CODECS (SIP)	G.711 u-law, G.711 A-law, G.722 Wideband

MULTICAST & THIRD-PARTY COMPATIBILITY

RTP MULTICAST	Transmit only, for Alert of offline devices
AUDIO CODECS	G.711 u-law, G.711 A-law, G.722 Wideband, Opus Fullband

CONFIGURATION & PROVISIONING

CONFIGURATION	Web interface or provisioning server
WEB INTERFACE	HTTP, HTTPS
SUPERVISION	SNMP

NETWORKING

NETWORKING	IPv4, DHCP, VLAN
LINK LAYER	LLDP, CDP
QOS	DSCP
NAT	STUN, TURN, CRLF Keep Alive, SIP Outbound
ADDRESS RESOLUTION	DNS, SRV Record
REDUNDANCY	Secondary & tertiary SIP server
TIME	NTP Server (up to four)

AUDIO

AUDIO MEMORY & FORMAT	1 GByte audio storage for WAV or MP3 files

INPUT/OUTPUT

RELAY INPUT	Not configurable
RELAY OUTPUT	Max 30 V 50 mA (normally open)
AUX IN	Not applicable
AUX OUT	3.5mm jack for analog line level output for compatible PC speakers or headset (Non-isolated)

ENVIRONMENTAL & MECHANICAL

ENVIRONMENTAL	0 to 40° C (32 to 104° F); 10-95% Relative Humidity, non-condensing. Dry indoor locations only.
DIMENSIONS (PRODUCT)	6.75'' x 4.3'' x 1.18'' (17.2 cm x 10.9 cm x 3.0 cm)
WEIGHT (PRODUCT)	0.9 lbs (0.4 kg)
WEIGHT (SHIPPING)	1.5 lbs (0.7 kg)
MOUNTING	Snap mounting bracket included

COMPLIANCE

RoHS, CE, FCC Class A, CISPR 22 Class A, CISPR 24, CSA/UL (USA & Canada), EN60950

FRONT CONNECTORS

BACK CONNECTORS

ORDERING CODE:

8300   IP Controller

COMPATIBLE DEVICES:

Any Algo IP Endpoint, including IP Speakers, IP Intercoms, IP Paging Adapters and IP Visual Alerters.