ALGO

Algo IP Paging vs. Analog

Features	Benefits	Algo IP	Analog
Web Configuration & Central Provisioning	1. Less time to deploy, provision and troubleshoot. 2. Minimal touch endpoint appliance lowers cost of ownership for improved ROI. **Note:** Supported protocols include: auto-provisioning (i.e., TFTP, FTP, HTTP, HTTPS), TLS & SRTP (secure SIP signalling and media), SIP over TCP, DNS SRV Record, and CDP/LLDP automatic VLAN assignment.	✔	✘
Network Supervision	Algo 8300 Controller or SNMP support to monitor endpoint registration and minimize fault conditions.	✔	✘
G.722 Wideband	Higher intelligibility and greater clarity of voice page announcements. Will meet STI-PA requirements of NEMA SB40 and other regulations for speech intelligibility.	✔	✘
Ambient Noise monitoring	Automatic volume control using built-in speaker microphone measuring background noise.	✔	✘
Multiple Extension Registration Options	Multiple Page, Emergency Alert and Ring extensions are available to register in all Algo IP speakers, IP strobe lights and the 8301 paging adapter to support voice paging / public address (PA), loud or visual ringing and emergency/safety/security notification and alerting.	✔	✘
Multicast & Page Zones	1. Using the IP network, simultaneously broadcast to any number of Algo audible / visual endpoints and supported IP telephones. 2. No limit to scale of solution over LAN/WAN to cover any size room, building or campus. 3. Minimized SIP licensing to generally only one endpoint, which is configured to Send a multicast. No registration is required for any devices configured to Receive a multicast. 4. No paging server or PC-based software required. Multicast capability within the Algo endpoint. Simplified hardware requirements and BOM. 5. Multicast support for a choice of protocols including RTP, Polycom Group Page, Singlewire InformaCast and Syn-Apps Revolution, allowing for simultaneous broadcast to Algo speakers, paging adapters, strobe lights and supported IP telephones. 6. Simple web configuration to group any number of IP endpoints into page zones. 7. Small to large page zones easily accommodated, allowing for paging to specific speakers (e.g. classroom), if desired	✔	✘

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Algo IP Paging vs. Analog (continued)

Features *continued*	Benefits	Algo IP	Analog
Talkback Speakers	Built-in speaker microphone to support talkback during page call. Note: Talk back is not available on a multicast Receiver speaker.	✔	✔
Firmware Upgradeable	Easily upgrade endpoint via the network. Minimal touch endpoint appliance.	✔	✘
Consolidated Single Source Solution	Paging system can be complemented to include strobe lights, push buttons and scheduler for automated bells/announcements for expanding alerting and notification options. In addition, paging adapters are available for analog speaker/amplifier integration or playing music. Any number and combination endpoints can be deployed as part of one UC integrated system.	✔	✘
Flexible Deployment	The endpoints are capable of being deployed individually without extra hardware, allowing for maximum flexibility to stage delpoyment of devices over time to meet budgetary requirements.		
PoE	Convenience of integrated power via network switch (48V, IEEE 802.3af & IEEE 802.3at, Class 0). No separate amplifier required for IP speakers.	✔	✘
Wiring	One wiring infrastructure (CAT5/6) for easier system management.	✔	Separate
SIP	Open standard protocol. 3rd party SIP compliant endpoints are supported on most VoIP communication platforms (cloud / hosted or premise-based).	✔	N/A