SIP Loudspeaker Amplifier (PoE)

CyberData
The IP Endpoint Company

The new CyberData SIP-enabled Loudspeaker Amplifier (PoE) provides an easy method for implementing a loud IP-based overhead paging system for loud areas, warehouses, manufacturing areas, and outdoor areas.

Now with up to 9 user-stored messages, the Amplifier provides direct drive of up two 8 Ohm horns.

The interface is compatible with most SIP-based IP PBX servers that comply with the SIP RFC 3261. For non-SIP environments, the Loudspeaker Amplifier can be configured to listen to multicast address and port number combinations to form paging zones.

Mini Horn Loudspeaker (part #011068) must be purchased separately.

Can receive pages directly from Polycom phones

New Features

- SIP Enhanced interoperability for hosted environments
  – CyberData has maintained one of the most comprehensive list of IP PBX servers certified to work with CyberData
- NEW SECURITY FEATURES:
  - Support for security code access for SIP paging
  - Autoprovisioning via HTTPS
  - HTTPS web based configuration
- Support for G.722 codecs
- 802.11q VLAN tagging
- Configurable sense input for use with fault detection
- Configurable event generation for device health and status monitoring
- Optional direct connect RGB strobe kit connection
- 9 user-uploadable page messages

Features

- Receives pages directly from Polycom phones
- Packaged in a NEMA 3/3x (IP55)-rated enclosure
- SIP and Simultaneous Multicast
- Dual-speed ethernet 10/100 Mbps
- Web-based configuration
- PoE 802.3at and 802.3af-enabled
- Line-in for background music
- Line-out connector
- DTMF controlled relay
- Direct 8 Ohm speaker drive
- User-uploadable tones and messages
- Digital and manual volume control
- Second SIP endpoint "Night Ringer"
- Autoprovisioning
- Auto-call voice message from input port sense
- Can support two horns
- HTTP Command Interface
- 10 channel prioritized Multicast ports
- Built-in diagnostics
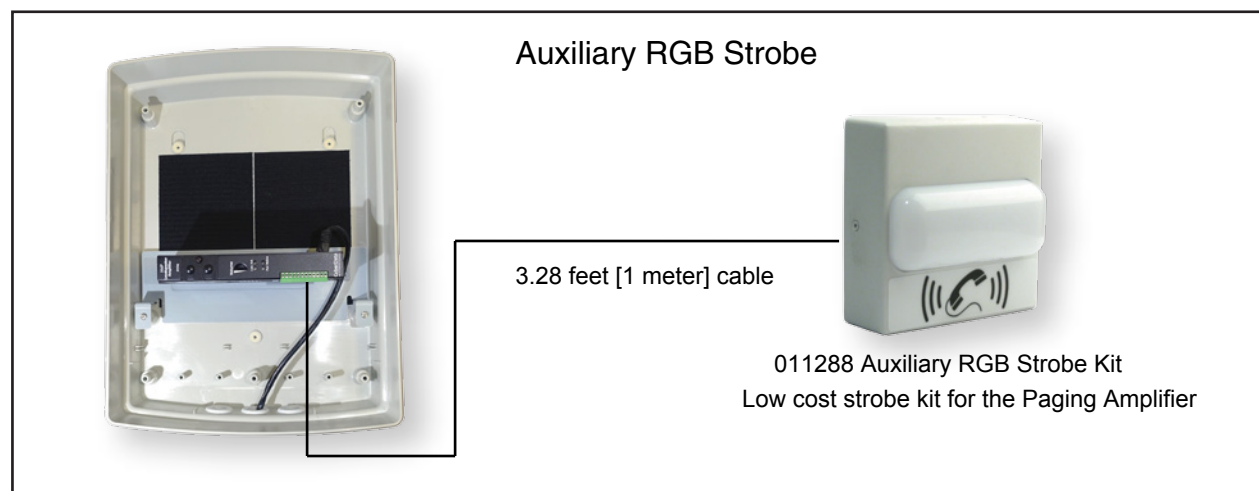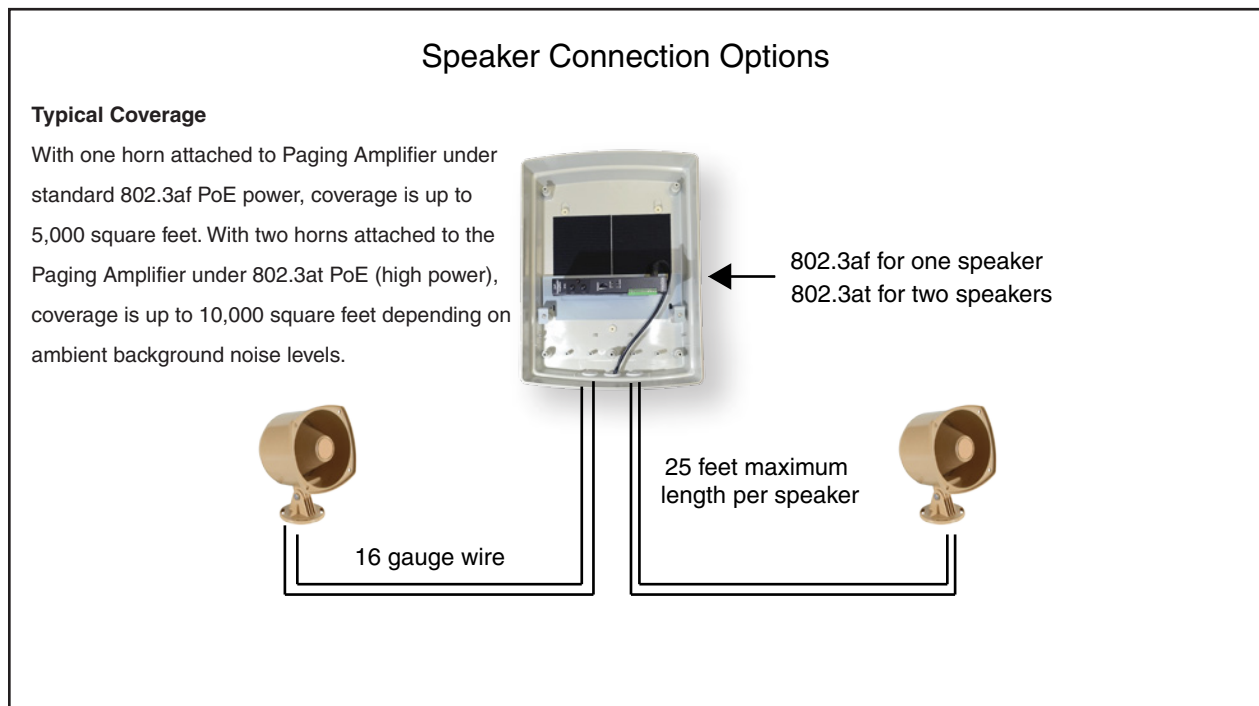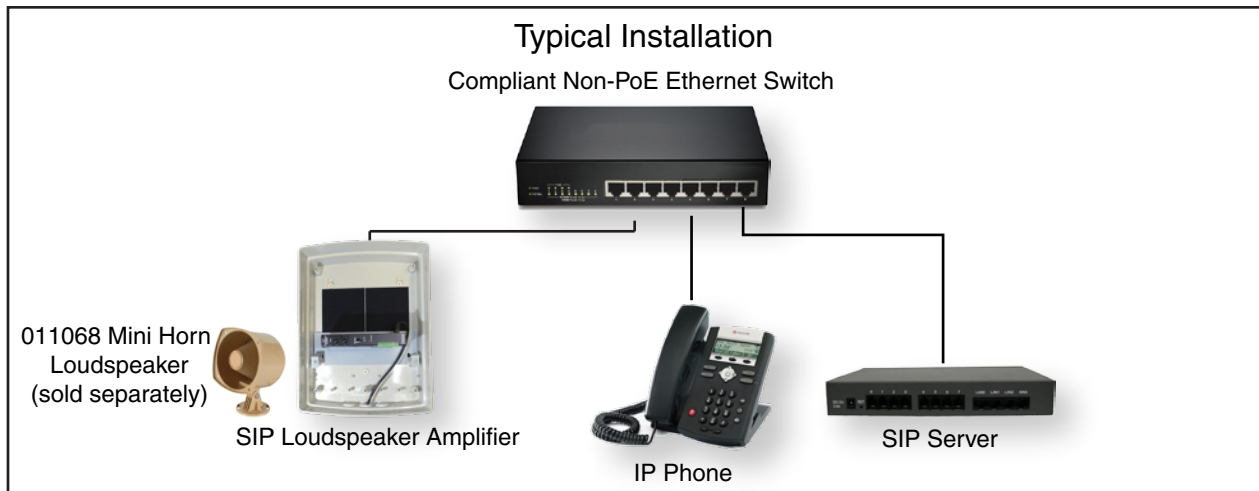- Delayed page support
- Cisco SRST

Specifications	
Ethernet I/F	10/100 Mbps
Protocol	SIP RFC 3261 Compatible
Power Input	PoE 802.3at or 802.3af
Audio Output	802.3af - SPL 114 dB @ 1 meter* 802.3at - SPL 117 dB @ 1 meter*
Line In: Input Signal Amplitudes Input Impedance	 2.0 VPP maximum 10k Ohm
Line Out: Output Signal Amplitudes Output Level Total Harmonic Distortion Output Impedance	 2.0 VPP maximum +2dBm nominal 0.5% maximum 10k Ohm
Operating Range (with NEMA enclosure)	Temperature: -40^0 C to 55^0 C (-40^0 F to 131^0 F) Humidity: 5-95%, non-condensing Enclosure: NEMA3/3X (IP55 rated)
Storage Temperature Storage Altitude	Temperature: -40^0 C to 70^0 C (-40^0 F to 158^0 F) Up to 15,000 ft. (4573 m)
Payload Types	G.711 a-law, G.711 µ-law, and G.722
Dimensions**	10 in. [254 mm] Length 4 in. [101.6 mm] Width 14 in. [355.6 mm] Height
Boxed Weight	6.5 lbs. [2.95 kg]
Compliance	CE; EMC Directive – Class A EN 55032 & EN 55024, LV Safety Directive – EN 60950-1, RoHS Compliant, FCC; Part 15 Class A, Industry Canada; ICES-3 Class A, IEEE 802.3 Compliant
Warranty	2 Years Limited
Part Number Mini Horn Loudspeaker	011405 011068

*When used with the 011068 Mini Horn.
**Dimensions are measured from the perspective of the product being upright with the front of the product facing you.

SIP Loudspeaker Amplifier (PoE)

Typical Installation

Compliant Non-PoE Ethernet Switch

011068 Mini Horn
Loudspeaker
(sold separately)

SIP Loudspeaker Amplifier

IP Phone

SIP Server

Speaker Connection Options

Typical Coverage

With one horn attached to Paging Amplifier under standard 802.3af PoE power, coverage is up to 5,000 square feet. With two horns attached to the Paging Amplifier under 802.3at PoE (high power), coverage is up to 10,000 square feet depending on ambient background noise levels.

802.3af for one speaker
802.3at for two speakers

25 feet maximum
length per speaker

16 gauge wire

Auxiliary RGB Strobe

3.28 feet [1 meter] cable

011288 Auxiliary RGB Strobe Kit
Low cost strobe kit for the Paging Amplifier

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Upload an Audio Message

User can upload an audio message to the device.

When the "Sense-In" is activated, the stored audio file will play out the local speaker and repeat until the condition is cleared.

The device can also call a pre-set phone number and when that phone answers, the stored audio message will also be played to the phone.

IP Phone

Window Reed switch is connected to the "Sense-In" connection.

Window Reed Switch
(Not a CyberData device. Sold separately)