SIP Paging 25V/70V +4 Amplifier

The SIP Paging 25V/70V +4 Amplifier is an analog/IP hybrid, cost-effective paging/intercom solution. It allows customers to use CyberData's or their existing 25V, 70V, constant voltage speakers, and/or CyberData multicast endpoints in a VoIP environment.

The SIP Paging 25V/70V +4 Amplifier sends and receives multicast, including from any channel of Poly phones.

The SIP Paging 25V/70V +4 Amplifier has a built-in calendar-based scheduler that enables scheduled bells and prerecorded messages to be sent to different multicast zones as well as four analog zones. Multiple analog zones can be supported by adding additional SIP Paging 25V/70V +4 Amplifiers.

CyberData's SIP enabled VoIP products are compatible with a vast majority of VoIP systems including SBCs, Gateways, and phone systems both on-premise or cloud-based.

Features

- Supports four analog zones with hundreds* of 25V or 70V speakers/horns with each zone having a single home run cable to the Amplifier
- Four analog output zones allow for fifteen 25V/70V analog zone combinations
- Calendar-based bell scheduler
- Support for security code to prevent unwanted paging access
- Supports 100 DTMF controlled multicast based paging groups and four analog zones
- Can page to unlimited endpoints that are enabled to receive multicast or Poly pages on any Poly channel
- Can receive pages directly from Poly phones as well as other devices that can send standard multicast
- Supports call-in stored message recording
- Paging prioritization
- Loud/Night Ringer function - second SIP extension
- Supports delayed pages, i.e. call buffering
- Supports multiple user accounts
- Master analog volume adjustment via web interface or front panel LCD controls

- Fault sense input
- Line-in for background music
- NTP-based internal clock with battery back-up
- LCD display for monitoring device status, configuration and diagnostics
- Configurable alerts for amplifier temperature threshold protection, and recovery modes.
- 19-inch rack mountable with removable rack ears

- TLS 1.2 and SRTP enhanced security for IP Endpoints in a local or cloud-based environment
- HTTPS web-based configuration
- Support for Cisco SRST resiliency
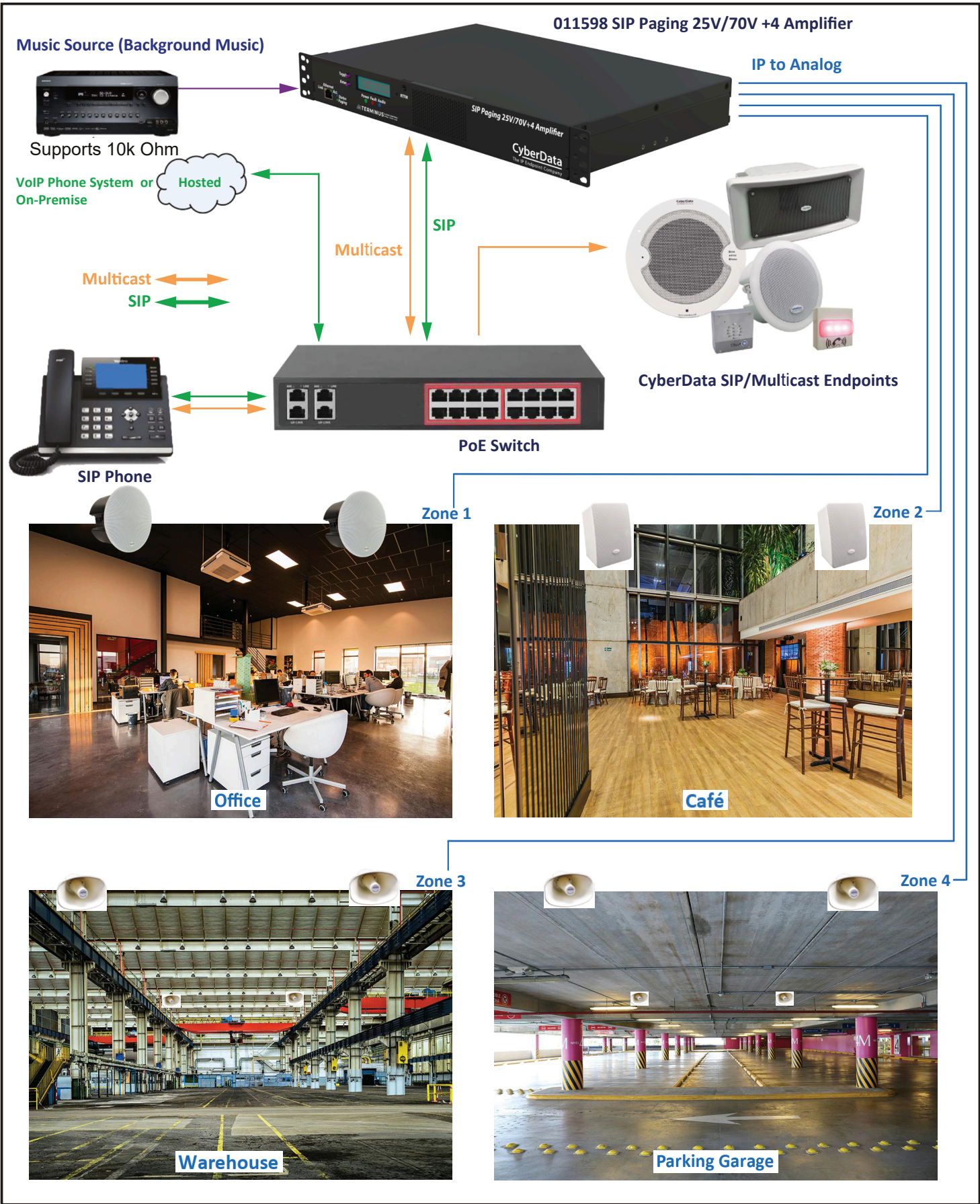- Autoprovisioning via HTTPS, HTTP or TFTP
- 802.11q VLAN tagging

Specifications

Ethernet I/F	10/100 Mbps
Protocol	SIP RFC 3261 Compatible
Power Input	AC Voltage Input 100-240VAC, 50/60 Hz
Analog Zone Output:	Continuous power output of up to 392W when driving 70V distributed speakers through 4 outputs
	Continuous power output of up to 160W when driving 25V distributed speakers through 4 outputs
Line In: Input Signal Amplitudes Input Impedance	2.0 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
Payload Types	G.711 a-law, G.711 µ-law, G.722, and G.729
Network Security	TLS 1.2, SRTP, HTTPS
Operating Range	Temperature: 15° C to 27° C (60° F to 80° F) Humidity: 5-95%, non-condensing
Storage Temperature Storage Altitude	-40° C to 70° C (-40° F to 158° F) Up to 15,000 ft. (4573 m)
Dimensions**	19.0 inches [482.6 mm] Length (with rack ears) 16.85 inches [428.0 mm] Length (w/o rack ears) 11.22 inches [285.0 mm] Width 2.25 inches [57.2 mm] Height
Weight Boxed Weight	11.2 lbs [5.1 kg] 17.8 lbs [8.1 kg]
Compliance	CE: EMC Directive – Class A EN 55032 & EN 55024, LV Safety Directive – EN 62368-1; RoHS Compliant; FCC Part 15 Class A; Industry Canada ICES-3 Class A; IEEE 802.3 Compliant; TAA Compliant
Warranty	5 Years Limited
Part Number	011598

*Number of speakers supported will depend on the tap setting and the baseline voltage in your typical configuration. Continuous power output is up to 392W when in 70Vmode and 160W when in 25Vmode.
**Dimensions are measured from the perspective of the product being upright with the front of the product facing you.

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Typical Hybrid Analog/IP Installation

011598 SIP Paging 25V/70V +4 Amplifier

Music Source (Background Music)

Supports 10k Ohm

IP to Analog

VoIP Phone System or Hosted
On-Premise

SIP

Multicast

Multicast

SIP

CyberData SIP/Multicast Endpoints

SIP Phone

PoE Switch

Zone 1

Office

Zone 2

Café

Zone 3

Warehouse

Zone 4

Parking Garage

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Connections

25V/70V Output

There are two connections to hook analog speakers up to the amp. The connections accept up to a 12 AWG wire.
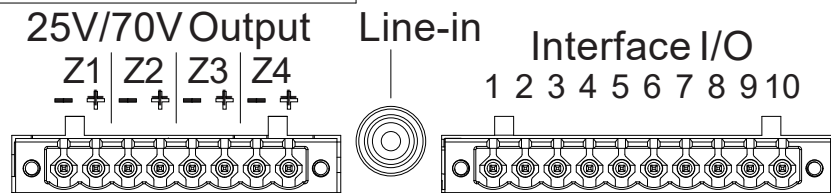
Line in

Line level input is for background music applications. The expected input level is 2Vpp (2 volts peak to peak voltage).
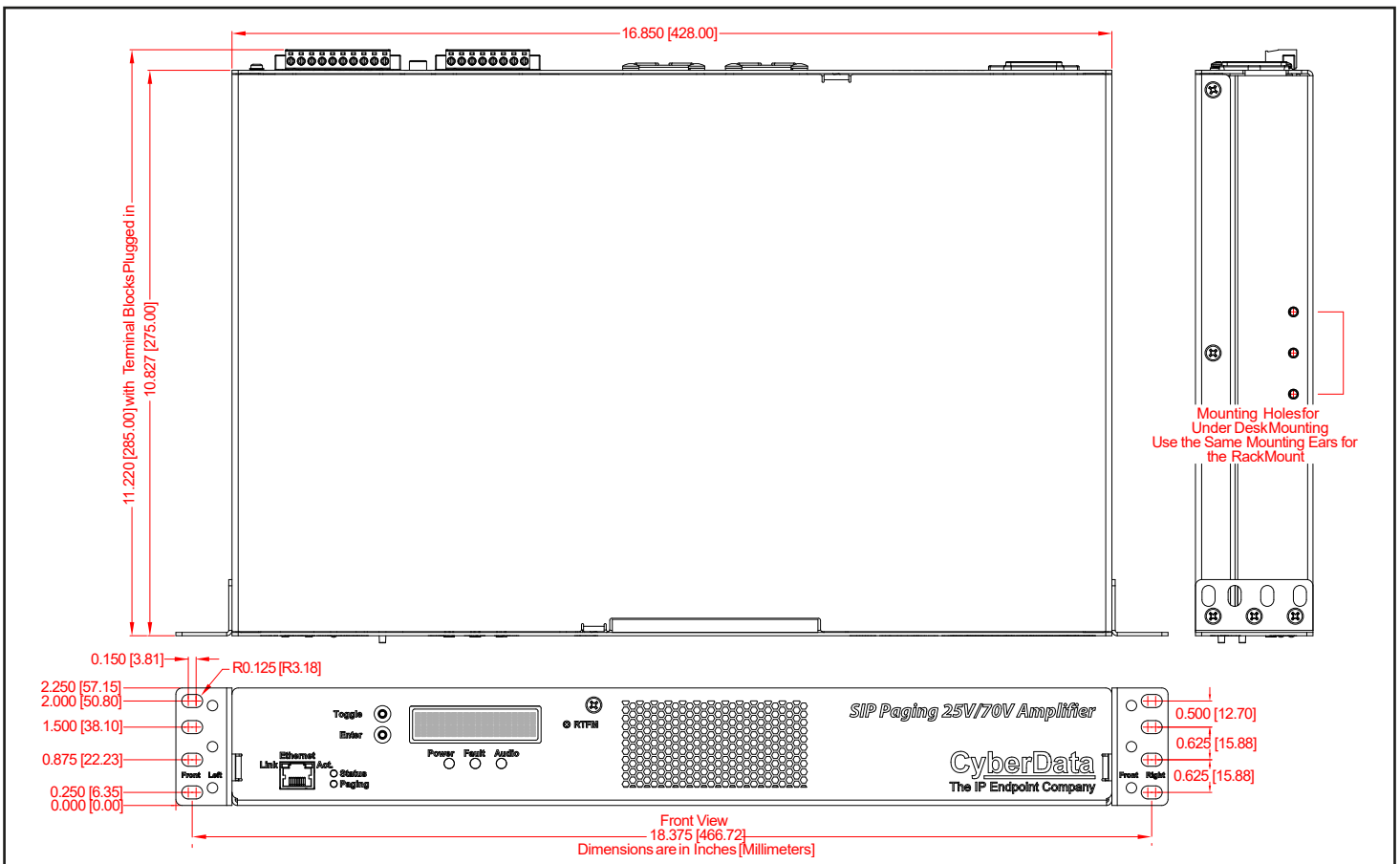
Interface I/O

1	Fault Sense Input (Common)
2	Fault Sense Input (Sense)
3-4	Reserved
5	Ground Reference
6	Relay Contact - Common
7	Relay Contact - Normally Open
8	Line Level Output (+)
9	Line Level Output (-)
10	Reserved

Warning:
Check Voltage before
Connecting Speaker(s).

25V/70V Output   Line-in   Interface I/O

Z1 | Z2 | Z3 | Z4   1 2 3 4 5 6 7 8 9 10

Dimensions

16.850 [428.00]

11.220 [285.00] with Terminal Blocks Plugged in

10.827 [275.00]

Mounting Holes for
Under Desk Mounting
Use the Same Mounting Ears for
the Rack Mount

0.150 [3.81]
R0.125 [R3.18]
2.250 [57.15]
2.000 [50.80]
1.500 [38.10]
0.875 [22.23]
0.250 [6.35]
0.000 [0.00]

Front Left

Toggle
Enter

Power Fault Audio

RTFM

Ethernet
Link   Act.
Status
Paging

SIP Paging 25V/70V Amplifier

CyberData
The IP Endpoint Company

Front Right

0.500 [12.70]
0.625 [15.88]
0.625 [15.88]

Front View
18.375 [466.72]
Dimensions are in Inches [Millimeters]

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Related Products:

ANALOG

011588 Analog Ceiling Mount
Speaker 25V/70V/8 Ohm

011589 Analog Wall Mount
Speaker 25V/70V/8 Ohm

011590 IP66 Analog
Horn 25V/70V/8 Ohm

MULTICAST

011394 SIP Speaker
with Talk-Back

011457 SIP IP66
Indoor/Outdoor Horn

011376 SIP RGB
(Multi-Color) Strobe

011511 VoIP SIP/Multicast
Ceiling Mount Speaker

011512 VoIP SIP/Multicast
Wall Mount Speaker

011049 SIP Call/Alert Button

011446 Multicast VoIP Microphone