InformaCast® Enabled Paging 25V/70V Amplifier

CyberData
The IP Endpoint Company

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

The InformaCast Enabled Paging 25V/70V Amplifier receives InformaCast audio messages and sends those to existing 70V or 25V analog speakers. More sound endpoints can be added with either additional 25V/70V Amplifiers and/or CyberData's multicast-supported line of products.

Features

- Supports one analog zone with hundreds* of 25V or 70V speakers/horns with a single home run cable to the Amplifier.
- Compatible with Singlewire InformaCast, including support for downloading SIP credentials from InformaCast
- Relays InformaCast broadcasts to multicast endpoints
- Can page to unlimited endpoints that are enabled to receive multicast or Poly pages on any Poly channel
- Master analog volume adjustment via web interface or front panel LCD controls
- Includes the full feature set of our 011579 SIP Paging 25V/70V Amplifier (complete list here)

- Fault sense input
- Line-in for background music
- Page to any Multicast enabled SIP Phone
- 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
- Configurable event generation for device health and status monitoring
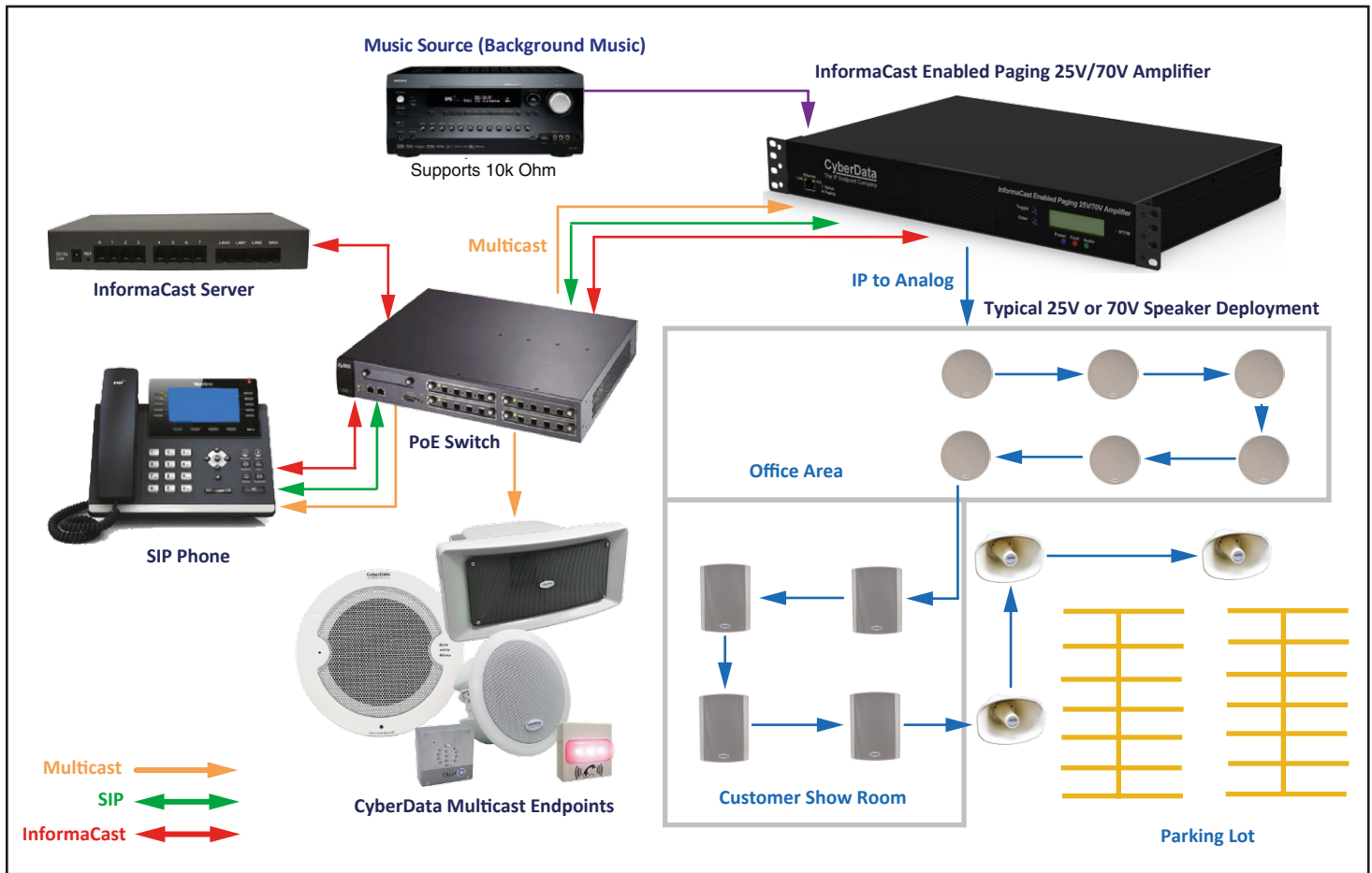- 802.11q VLAN tagging

Specifications	
Ethernet I/F	10/100 Mbps
Protocol	SIP RFC 3261 Compatible, InformaCast v 4.0 or above
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, equivalent load > 12-Ohms
	Continuous power output of up to 160W when driving 25V distributed speakers, equivalent load > 4-Ohms.
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
Payload Types	G.711 a-law, G.711µ-law, G.722, and G.729
Network Security	TLS 1.2, SRTP, HTTPS
Operating Range	Temperature: 15 degrees C to 27 degrees C (60 degrees F to 80 degrees F) Humidity: 5-95%, non-condensing
Storage Temperature Storage Altitude	-40⁰ C to 70⁰ C (-40⁰ F to 158⁰ 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) 10.83 inches [275.0 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	2 Years Limited
Part Number	011592

*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 70V mode and 160W when in 25V mode.
**Dimensions are measured from the perspective of the product being upright with the front of the product facing you.

InformaCast Enabled Paging 25V/70V Amplifier

Typical Hybrid Analog/IP Installation

Music Source (Background Music)

InformaCast Enabled Paging 25V/70V Amplifier

Supports 10k Ohm

InformaCast Server

Multicast

IP to Analog

Typical 25V or 70V Speaker Deployment

Office Area

SIP Phone

PoE Switch

CyberData Multicast Endpoints

Customer Show Room

Parking Lot

Multicast →
SIP ↔
InformaCast ↔

Example Analog Speaker Matrix

Note: Configuration as pictured above

	Qty	Power Tap	Total
Ceiling Speakers	6	3.75W	22.5W
Wallmount	4	10W	40W
Horns	3	15W	45W
			107.5W

InformaCast Enabled Paging 25V/70V Amplifier

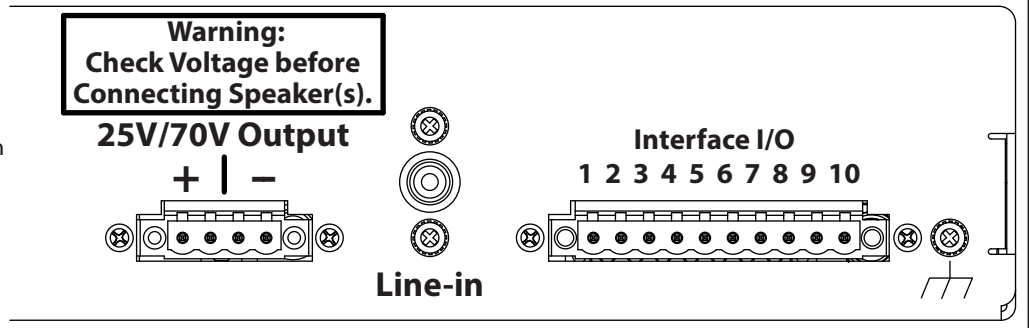## Connections

25V/70V Output

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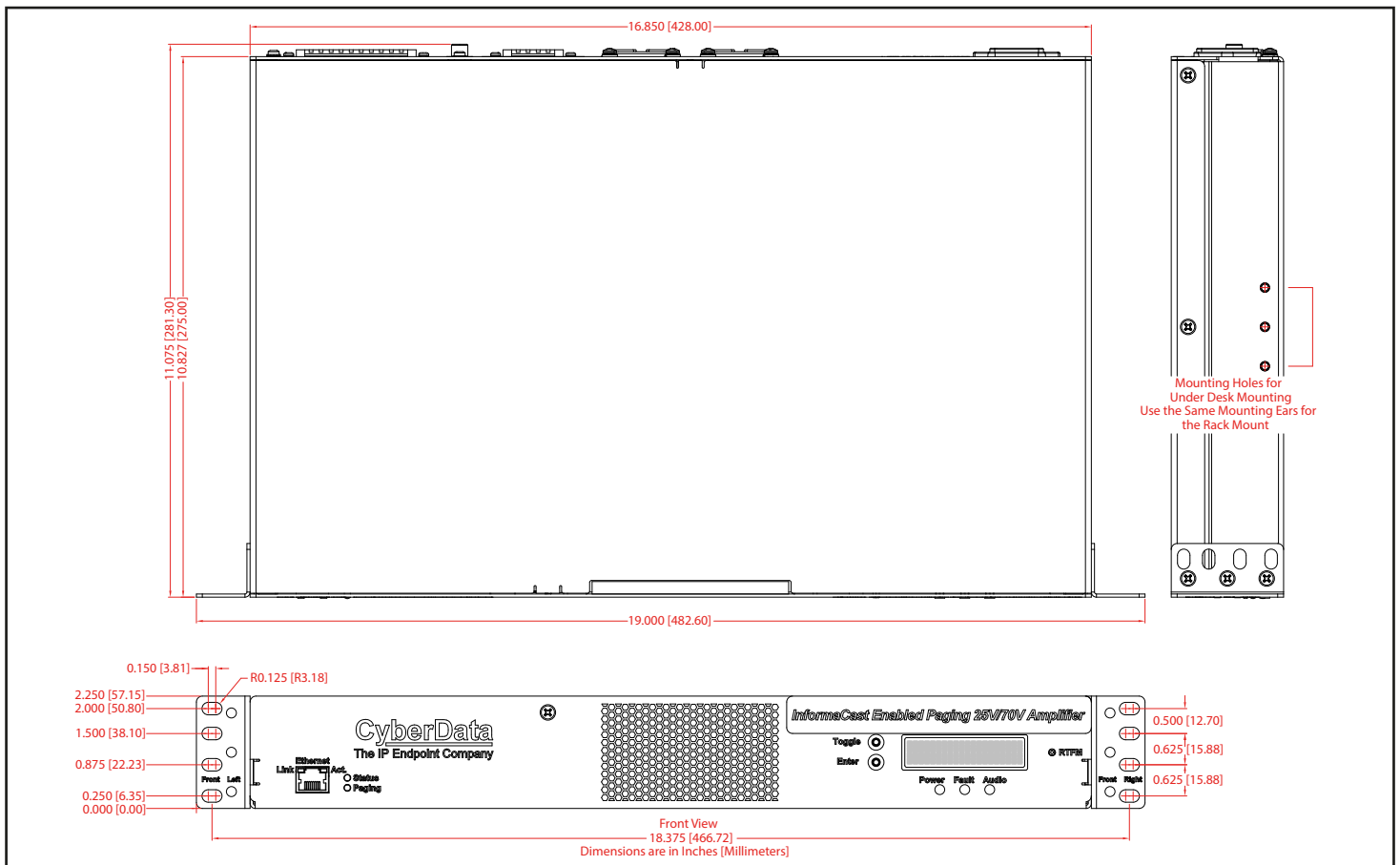
Line in

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

1 2 3 4 5 6 7 8 9 10

Dimensions

16.850 [428.00]

11.075 [281.30]
10.827 [275.00]

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

19.000 [482.60]

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]

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Ethernet
Link   Act.
Status
Paging

Front   Left

InformaCast Enabled Paging 25V/70V Amplifier

Toggle
Enter

RTFM

Power   Fault   Audio

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]

InformaCast Enabled Paging 25V/70V Amplifier

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

INFORMACAST ENABLED

011396 InformaCast Enabled
Speaker with Talk-Back

011472 InformaCast Enabled
IP66 Indoor/Outdoor Horn

011377 InformaCast Enabled
RGB (Multi-Color) Strobe

011504 InformaCast
Enabled Ceiling Speaker

011505 InformaCast Enabled
Wall Mount Speaker

011527 WiFi Alert Button