SIP Talk-Back Speaker

CyberData's SIP Talk-Back Speaker enables full-duplex two-way conversations in settings such as classrooms, offices, medical facilities and clinics. When used with the Remote Call Button, calls to a predetermined extension can be initiated from the room with the speaker. Alternatively, a call can be placed to the speaker to initiate either a page or two-way conversation.

The SIP Talk-Back Speaker easily connects into local area networks with a single CAT5/6 cable from your PoE switch. Its small footprint allows the speaker to be mounted almost anywhere with multiple mounting options available.

CyberData has maintained one of the most comprehensive lists of IP PBX servers certified to work with CyberData VoIP Products

Features
- Full duplex audio with configurable echo cancelling
- Adaptive half duplex audio with configurable VOX (Voice Operated Switch) settings
- Half duplex push to talk audio from the phone side using the phone's keypad or from the speaker side using CyberData's Remote Call Button
- Audio health check to verify hardware performance that can be scheduled or launched manually
- Supports a Monitor Mode

- Simultaneous SIP and multicast
- Paging prioritization
- User-uploadable ring and alert tones
- Support for security code to prevent unwanted SIP calls
- Can receive pages directly from Poly phones as well as other devices that can send standard multicast
- Loud/Night Ringer function - second SIP extension
- Support for 10 multicast paging groups

- Can drive external analog speaker for greater coverage
- DTMF-controlled relay
- Line-out connection
- Network and manual speaker volume control

- TLS 1.2 and SRTP enhanced security for IP Endpoints in a local or cloud-based environment
- Autoprovisioning via HTTP, HTTPS, or TFTP
- HTTPS or HTTP web based configuration. HTTPS is enabled by default
- 802.11q VLAN tagging
- Configurable event generation for device health and status monitoring
- Web-based upgradeable firmware
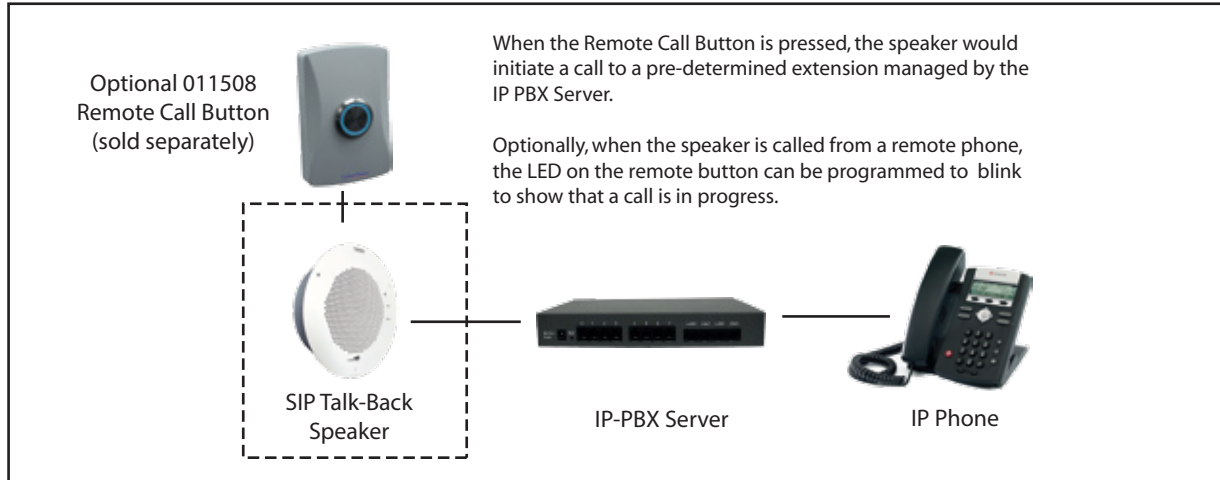- Support for multiple SIP servers for redundancy

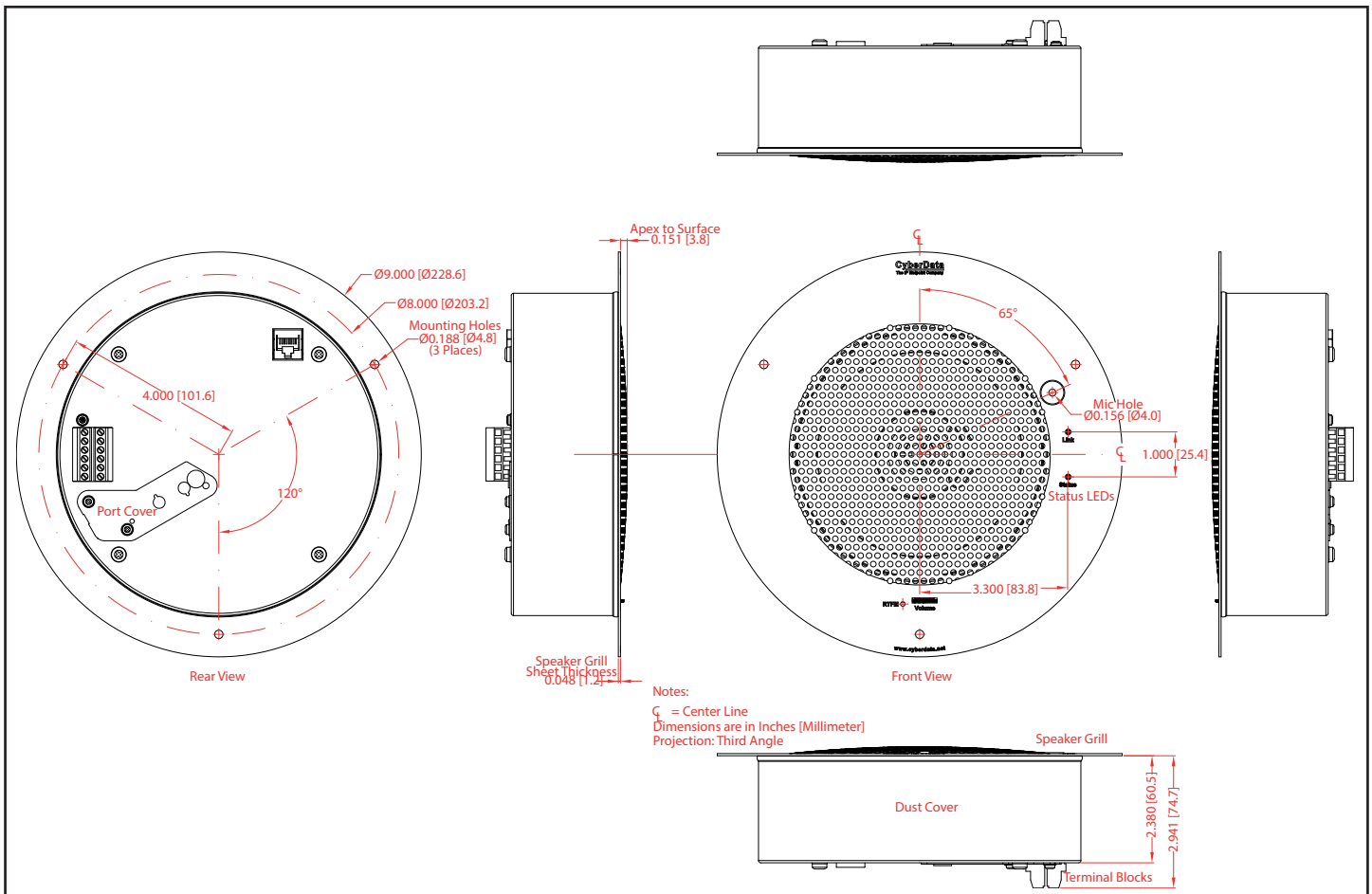| Specifications	
Ethernet I/F	10/100 Mbps
Protocol	SIP RFC 3261 Compatible
Power Input	PoE 802.3af/802.3at compliant or 24VDC @ 1A Auxiliary Power Supply (not included)
Audio Output	802.3af - SPL 103 dB @ 1 meter 802.3at - SPL 105 dB @ 1 meter
On-Board Relay	1A @ 30 VDC
Payload Types	G.711 a-law, G.711μ-law, G.722, and G.729
Network Security	TLS/SSL 1.2 and SRTP
Operating Range	Temperature: -40^0 C to 55^0 C (-40^0 F to 131^0 F) Humidity: 5-95%, non-condensing
Storage Temperature Storage Altitude	-40^0 C to 70^0 C (-40^0 F to 158^0 F) Up to 15,000 ft. (4573 m)
Dimensions*	9 in. [228.6 mm] Grill Diameter 7.25 in. [184.2 mm] Can Diameter 2.4 in. [60.96 mm] Can Depth
Weight Boxed Weight	3.0 lbs [1.36 kg] 4.0 lbs. [1.81 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/Color	011398/RAL 9003 (Signal White)

*Dimensions are measured from the perspective of the product being upright with the front of the product facing you.

SIP Talk-Back Speaker

Typical Installation

Optional 011508
Remote Call Button
(sold separately)

When the Remote Call Button is pressed, the speaker would initiate a call to a pre-determined extension managed by the IP PBX Server.

Optionally, when the speaker is called from a remote phone, the LED on the remote button can be programmed to blink to show that a call is in progress.

SIP Talk-Back
Speaker

IP-PBX Server

IP Phone

Dimensions

Apex to Surface
0.151 [3.8]

Ø9.000 [Ø228.6]

Ø8.000 [Ø203.2]

Mounting Holes
Ø0.188 [Ø4.8]
(3 Places)

4.000 [101.6]

120°

Port Cover

Rear View

Speaker Grill
Sheet Thickness
0.048 [1.2]

65°

Mic Hole
Ø0.156 [Ø4.0]

1.000 [25.4]

Status LEDs

3.300 [83.8]

Front View

Notes:
℄ = Center Line
Dimensions are in Inches [Millimeter]
Projection: Third Angle

Speaker Grill

Dust Cover

2.380 [60.5]

2.941 [74.7]

Terminal Blocks

Related Products

Mounting Hardware

010991 Ceiling Mount

011039 Conduit Speaker Mount

011152 Speaker Wall Mount

011154 Wall Mount Clock Kit

Speaker and Paging Accessories

011508 Remote Call Button

011121 Auxiliary Analog Speaker

011201 Ceiling Tile Auxiliary Analog Drop-In Speaker

011288 Auxiliary RGB (Multi-Color) Strobe Kit