

IP-SDH

PoE+ Indoor IP Endpoint Horn Speaker with LCD



Features

Network Features

- Dynamic or Static IP Address
- IEEE 802.3 10/100Base-T Ethernet
- IEEE 802.1q Tagging
- IEEE 802.3af and 802.3at Compliant

Audio Codec Support

- G.711 u-law / a-law (16 kbit/s)
- G.722 Wideband Audio (64 kbit/s)

Auto Provisioning

- DHCP Option 66, 150, for TFTP Server
- DHCP Option 72 for HTTP Server

Auto Registration

- SLP for InformaCast
- DHCP Option 72 for Syn-Apps' Revolution

Static Configuration

• HTTP GUI for Static Configuration

Audio Features

- Integrated Amplifier
- Aux Audio Line-In Balanced (2.8Vpp 10K)
- Aux Audio Line-Out Balanced (2.8Vpp 10K)

Additional Features

- 2 General Purpose Inputs
- Cisco SRST
- 1 Relay Output (2A @ 30 VDC)
- Phone / Night Loud Ringer
- External Power Supply Option
- LCD for Clock / Date and Scrolling Text

General Description

AtlasIED IP-SDH is an indoor wall mount IP endpoint speaker with highoutput horn, and LCD. It compliments the Unified Communications (VoIP Communications) investment including on-premises and hosted infrastructure platforms so that information can be pushed to spaces beyond the world of desktop telephony communication and breaking any traditional audio-path barriers.

Applications

AtlasIED IP-SDH registers as a communication endpoint directly within InformaCast, GCK, and Syn-Apps' Revolution advanced notification applications, supporting audio broadcast to enhance physical security while improving day-to-day communications through advanced alerting, bell schedules, pre-recorded & scheduled announcements, while leveraging the WAN or LAN network architecture.

When used within a Cisco environment, the IP-SDH speakers can join Cisco's Unified Survivable Remote Site Telephony (SRST) as a supported device. Cisco's SRST provides remote location call-processing redundancy when access to the centralized Cisco Unified Communications Manager is interrupted because of a WAN outage. The ability of LAN communication between any combination of phones and speakers is particularly critical during an emergency (which may be the actual cause of the WAN outage).

Where 3rd party notification applications are not required, the IP-SDH speakers can register as SIP devices directly to a SIP server or VoIP Communications Manager for critical alerts and public address applications.

Under Title II of the ADA, all state and local governments are required to take steps and ensure effective communication to people with disabilities. The AtlasIED IP-SDH IP speakers with LCD display provide effective communication for all individuals.



PoE Indice PE Indice In	System	
Indicators Network Status (On Back) Oberstant Barge (10de) 800942 - 14542 Prequency Pasporas (+7-585) 800 - 14.000 Hz (Normall) Writton (Coverage) 95° (668, 2000 Hz Octave Band) Writton (Coverage) 120° (268, 2000 Hz	Туре	PoE+ Indoor IP Endpoint Horn Speaker with LCD
Departing Range (-100b)	Operation Mode	Self Powered
Frequency Response (+/-5dB)	Indicators	Network Status (On Back)
Vertical Coverage	Operating Range (-10db)	600Hz - 14kHz
Horizontal Coverage	Frequency Response (+/- 5dB)	600 - 14,000 Hz (Nominal)
Max SPL at 1 m (Passive) General Purpose Interface Two Trigger Inputs / One Relay Output (2A @ 30 VDC) Transducer Transducer Otly and Size 3.8" Voice Coll Size 1.25" Cone Material Double Entrant Compression Driver Amplification Type Single-Channel Class D Topology with Primary and Secondary Outputs AC Power Input Power Rating (IMS) 1.2 Vatts Max (802.3AF) / 25 Wetts Max (802.3AT) THD 4.0 2.9% Cooling Passive / Convection Builten Limiter Audio Inputs and Outputs Input: Analog Audio Type (3) Input: Analog Audio Type (4) Input: Analog Audio Type (4) Input: Analog Audio Type (5) Input: Analog Audio Type (6) Input: Analog Audio Type (7) Input: Analog Audio Type (8) Input: Analo	Vertical Coverage	95° (-6dB, 2000 Hz Octave Band)
Transducer Transducer Two Trigger Inputs / One Relaty Output I2A @ 30 VDC) Transducer Only and Size 3.81* Voice Coll Size 1.25* Cone Material Double Entrant Compression Driver	Horizontal Coverage	95° (-6dB, 2000 Hz Octave Band)
Transducers 3.8" Transducer Oty and Size 3.8" One Material Double Entrant Compression Driver Amplification Type Type Single-Channel Class D Topology with Primary and Secondary Outputs AC Power Input PoE or PoE+ and External Z4VDC Power Rating (RMS) 12 Watts Max (802.3AF) / 25 Watts Max (802.3AT) THD <0.2%	Max SPL at 1m (Passive)	120dB at 15 Watts (Peak)
Transducer City and Size 3.8° Volice Coll Size 1.25° Cone Meterial Double Entrant Compression Driver Amplification Type Single-Channel Class D Topology with Primary and Secondary Outputs AC Power Input PoE or PoE+ and External 24VDC Power Pating (RMS) 12 Wates Max (802.3AF) / 25 Wests Max (802.3AT) THD <0.2%	General Purpose Interface	Two Trigger Inputs / One Relay Output (2A @ 30 VDC)
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Type Single-Channel Class D Topology with Primary and Secondary Outputs AC Power Input PBE or PGE+ and External 24VDC Power Rating (RMS) 12 Watts Max (802.3AF) / 25 Watts Max (802.3AT) THD <0.2% Cooling Pessive / Convection Driver Protection Built-In Limiter Audio Inputs and Outputs Input Protection Input: Analog Audio Type(s) One Balanced Line Level Input: Analog Connectivity Secured Screw Terminal Block Input: Network Audio Type(s) G.711 U-Law / A-Law and G.722 Capable Input: Network Connectivity Q.145 Female Output: Analog Audio Type(s) One Balanced Line Level Output: Analog Audio Type(s) One Balanced Line Level Output: Digital Audio Type(s) One Balanced Line Level Output: Digital Audio Type(s) O.711 U-Law / A-Law and G.722 Capable (Multicast) Output: Digital Audio Type(s) G.711 U-Law / A-Law and G.722 Capable (Multicast) Output: Digital Connectivity N/A Output: Speaker Level BQ. 12W (802.3AF), 25W (802.3AF) Output: Speaker Level BQ. 12W (802.3AF), 25W (802.3AF) Display Speaker Lev	Cone Material	Double Entrant Compression Driver
AC Power Input PoE or PoE+ and External 24VDC Power Rating (RMS) 12 Watts Max (802.3AF) / 25 Wetts Max (802.3AT) THD <0.2%	Amplification	
Power Rating (RMS)	Туре	Single-Channel Class D Topology with Primary and Secondary Outputs
THD Cooling Passive / Convection	AC Power Input	PoE or PoE+ and External 24VDC
Cooling Passwe / Convection Bull-In Limiter Audio Inputs and Outputs Input: Analog Audio Type(s) One Balanced Line Level Input: Analog Audio Type(s) Secured Screw Terminal Block Input: Network Audio Type(s) G.711 U-Law / A-Law and G.722 Capable Input: Network Connectivity RJ-45 Female Output: Network Connectivity Secured Screw Terminal Block Input: Network Connectivity RJ-45 Female Output: Network Connectivity Secured Screw Terminal Block Output: Digital Audio Type(s) One Balanced Line Level Output: Digital Audio Type(s) G.711 U-Law / A-Law and G.722 Capable (Multicast) Output: Digital Connectivity NA Output: Digital Connectivity NA Output: Speaker Level 80, 12W (802,3AF), 25W (802,3AT) Output: Speaker Connectivity Primary and Slave Secured Screw Terminal Block Display Display Type High Resolution Back-Lit Color Liquid Crystal Display Display Type Align Resolution Back-Lit Color Liquid Crystal Display Surface Luminance 1900 cd/m^2 Minimum, All White Pixels Character Max Height 480 Pixels Viewable Dimensions (H x W) 8.66* (22 Imm) x 2.23* (57mm) Control Time via NTP - Text Controlled via Software GCK* Compatible Version 3.0+ InformaCast Advanced Compatible Version 3.0+ InformaCast Eusion Compatible Version 3.0+	Power Rating (RMS)	12 Watts Max (802.3AF) / 25 Watts Max (802.3AT)
Driver Protection Built-In Limiter Audio Inputs and Outputs Input: Analog Audio Type(s) One Balanced Line Level Input: Analog Audio Type(s) G.711 U-Law / A-Law and G.722 Capable Input: Network Audio Type(s) G.711 U-Law / A-Law and G.722 Capable Input: Network Connectivity RJ-45 Fermale Output: Analog Audio Type(s) One Balanced Line Level Output: Analog Audio Type(s) One Balanced Line Level Output: Analog Connectivity Secured Screw Terminal Block Output: Digital Audio Type(s) G.711 U-Law / A-Law and G.722 Capable (Multicast) Output: Digital Audio Type(s) G.711 U-Law / A-Law and G.722 Capable (Multicast) Output: Digital Connectivity N/A Output: Digital Connectivity N/A Output: Speaker Level 80, 12W (802 3AF), 25W (802 3AT) Output: Speaker Connectivity Primary and Slave Secured Screw Terminal Block Display Display Type High Resolution Back-Lit Color Liquid Crystal Display Display Type Aligner Fat Character Count - 160 Surface Luminance 1900 cd/m-2 Minimum, All White Pixels Character Max Height 480 Pixels Viewable Dimensions (H x W) 8.66' (221mm) x 2.23' (57mm) Control Time via NTP - Text Controlled via Software Software Software Software Gick® Compatible Version 3.0+ InformaCast Advanced Compatible Version 3.0+ InformaCast Fusion Compatible Version 3.0+	THD	<0.2%
Input: Analog Audio Type(s) Input: Analog Quotio Type(s) Input: Analog Connectivity Secured Screw Terminal Block Input: Network Audio Type(s) Input: Network Audio Type(s) Input: Network Audio Type(s) Input: Network Connectivity RJ45 Female Output: Analog Audio Type(s) One Balanced Line Level Output: Analog Audio Type(s) One Balanced Line Level Output: Digital Audio Type(s) One Balanced Line Level Output: Digital Audio Type(s) Output: Digital Audio Type(s) Output: Digital Audio Type(s) Output: Digital Audio Type(s) Output: Digital Connectivity N/A Output: Speaker Level Big 12W (802 3AF), 25W (802 3AT) Output: Speaker Connectivity Primary and Slave Secured Screw Terminal Block Display Display Display Type High Resolution Back-Lit Color Liquid Crystal Display Display Color Range If Million Color Options for Both Backlight and Text LCD Display Scrolling Text Character Count - 160 Surface Luminance 1900 cd/m^2 Minimum, All White Pixels Character Max Height 480 Pixels Viewable Dimensions (H x W) 8.66° (221mm) x 2.23° (67mm) Control Time van Thr - Text Controlled via Software GCK® Compatible Version InformaCast Advanced Compatible Version 1.0+	Cooling	Passive / Convection
Input: Analog Audio Type(s) Input: Analog Connectivity Secured Screw Terminal Block Input: Network Audio Type(s) G.711 U-Law / A-Law and G.722 Capable Input: Network Connectivity RJ-45 Female Output: Analog Audio Type(s) One Balanced Line Level Output: Analog Connectivity Secured Screw Terminal Block Output: Digital Connectivity Secured Screw Terminal Block Output: Digital Loudio Type(s) One Balanced Line Level Output: Digital Connectivity N/A Output: Digital Connectivity N/A Output: Speaker Level SQ. 12W (802.3AF), 25W (802.3AT) Output: Speaker Connectivity Primary and Slave Secured Screw Terminal Block Display Display Display Olipsial Connectivity Primary and Slave Secured Screw Terminal Block Display Display Color Range If Million Color Options for Both Backlight and Text LCD Display Scrolling Text Character Count - 160 Surface Luminance 1900 cd/m^2 Minimum, All White Pixels Character Max Height 480 Pixels Viewable Dimensions (H x W) Control Time via NTP - Text Controlled via Software Software GCK® Compatible Version 1,0+4 8,0+ 1nformaCast Advanced Compatible Version 3,0+ InformaCast Fusion Compatible Version 3,0+	Driver Protection	Built-In Limiter
Input: Analog Connectivity Secured Screw Terminal Block Input: Network Audio Type(s) G.711 U-Law / A-Law and G.722 Capable Input: Network Connectivity RJ-45 Female Output: Analog Audio Type(s) One Balanced Line Level Output: Analog Connectivity Secured Screw Terminal Block Output: Digital Audio Type(s) G.711 U-Law / A-Law and G.722 Capable (Multicast) Output: Digital Connectivity N/A Output: Digital Connectivity N/A Output: Speaker Level SQL 12W (802.3AF), 25W (802.3AT) Output: Speaker Connectivity Primary and Slave Secured Screw Terminal Block Display Display Display Type High Resolution Back-Lit Color Liquid Crystal Display Display Color Range I6 Million Color Options for Both Backlight and Text LCD Display Scrolling Text Character Count - 160 Surface Luminance 1900 cd/m^2 Minimum, All White Pixels Character Max Height 480 Pixels Viewable Dimensions (H x W) Self-Viewable Dimensions (H x W) Control Time via NTP - Text Controlled via Software Software GCK® Compatible Version 1,044 1,045 1,04	Audio Inputs and Outputs	
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Input: Network Connectivity RJ-45 Female Output: Analog Audio Type(s) One Balanced Line Level Output: Analog Connectivity Secured Screw Terminal Block Output: Digital Audio Type(s) G.711 U-Law / A-Law and G.722 Capable (Multicast) Output: Digital Connectivity N/A Output: Speaker Level 80, 12W (802.3AF), 25W (802.3AT) Output: Speaker Connectivity Primary and Slave Secured Screw Terminal Block Display Display Display Type High Resolution Back-Lit Color Liquid Crystal Display Display Color Range 16 Million Color Options for Both Backlight and Text LCD Display Scrolling Text Character Count - 160 Surface Luminance 1900 cd/m^2 Minimum, All White Pixels Character Max Height 480 Pixels Viewable Dimensions (H x W) 8.66° (221mm) x 2.23° (57mm) Control Time via NTP-Text Controlled via Software Software GCK® Compatible Version 8.0+ InformaCast Advanced Compatible Version 8.0+	Input: Analog Connectivity	Secured Screw Terminal Block
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Output: Analog Connectivity Secured Screw Terminal Block Output: Digital Audio Type(s) G.711 U-Law / A-Law and G.722 Capable (Multicast) Output: Digital Connectivity N/A Output: Speaker Level 80. 12W (802.3AF), 25W (802.3AT) Output: Speaker Connectivity Primary and Slave Secured Screw Terminal Block Display Display Display Type High Resolution Back-Lit Color Liquid Crystal Display Display Color Range 16 Million Color Options for Both Backlight and Text LCD Display Scrolling Text Character Count - 160 Surface Luminance 1900 cd/m^2 Minimum, All White Pixels Character Max Height 480 Pixels Viewable Dimensions (H x W) 8.66° (221mm) x 2.23° (57mm) Control Time via NTP - Text Controlled via Software Software GCK® Compatible Version 1.0+ InformaCast Advanced Compatible Version 3.0+ InformaCast Fusion Compatible Version 3.0+	Input: Network Connectivity	RJ-45 Female
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Output: Speaker Connectivity Primary and Slave Secured Screw Terminal Block Display Display Type High Resolution Back-Lit Color Liquid Crystal Display Display Color Range 16 Million Color Options for Both Backlight and Text LCD Display Scrolling Text Character Count - 160 Surface Luminance 1900 cd/m^2 Minimum, All White Pixels Character Max Height 480 Pixels Viewable Dimensions (H x W) 8.66* (221mm) x 2.23* (57mm) Control Time via NTP - Text Controlled via Software Software GCK® Compatible Version 3.0+ InformaCast Advanced Compatible Version 3.0+ InformaCast Fusion Compatible Version 3.0+	Output: Digital Connectivity	N/A
Display Type High Resolution Back-Lit Color Liquid Crystal Display Display Color Range 16 Million Color Options for Both Backlight and Text LCD Display Scrolling Text Character Count - 160 Surface Luminance 1900 cd/m^2 Minimum, All White Pixels Character Max Height 480 Pixels Viewable Dimensions (H x W) 8.66* (221mm) x 2.23* (57mm) Control Time via NTP - Text Controlled via Software Software GCK® Compatible Version 3.0+ InformaCast Advanced Compatible Version 3.0+ InformaCast Fusion Compatible Version 3.0+	Output: Speaker Level	8Ω, 12W (802.3AF), 25W (802.3AT)
Display Type High Resolution Back-Lit Color Liquid Crystal Display Display Color Range 16 Million Color Options for Both Backlight and Text LCD Display Scrolling Text Character Count - 160 Surface Luminance 1900 cd/m^2 Minimum, All White Pixels Character Max Height 480 Pixels Viewable Dimensions (H x W) 8.66" (221mm) x 2.23" (57mm) Control Time via NTP - Text Controlled via Software Software GCK® Compatible Version 3.0+ InformaCast Advanced Compatible Version 3.0+ InformaCast Fusion Compatible Version 3.0+	Output: Speaker Connectivity	Primary and Slave Secured Screw Terminal Block
Display Color Range 16 Million Color Options for Both Backlight and Text LCD Display Scrolling Text Character Count - 160 Surface Luminance 1900 cd/m^2 Minimum, All White Pixels Character Max Height 480 Pixels Viewable Dimensions (H x W) 8.66" (221mm) x 2.23" (57mm) Control Time via NTP - Text Controlled via Software Software GCK® Compatible Version 3.0+ InformaCast Advanced Compatible Version 3.0+ InformaCast Fusion Compatible Version 3.0+	Display	
LCD Display Scrolling Text Character Count - 160 Surface Luminance 1900 cd/m^2 Minimum, All White Pixels Character Max Height 480 Pixels Viewable Dimensions (H x W) 8.66" (221mm) x 2.23" (57mm) Control Time via NTP - Text Controlled via Software Software GCK® Compatible Version 1.00+ InformaCast Advanced Compatible Version 3.00+ InformaCast Fusion Compatible Version 3.00+	Display Type	High Resolution Back-Lit Color Liquid Crystal Display
Surface Luminance 1900 cd/m^2 Minimum, All White Pixels Character Max Height 480 Pixels Viewable Dimensions (H x W) 8.66° (221mm) x 2.23° (57mm) Control Time via NTP - Text Controlled via Software Software GCK® Compatible Version 3.0+ InformaCast Advanced Compatible Version 8.0+ InformaCast Fusion Compatible Version 3.0+	Display Color Range	16 Million Color Options for Both Backlight and Text
Character Max Height 480 Pixels Viewable Dimensions (H x W) 8.66" (221mm) x 2.23" (57mm) Control Time via NTP - Text Controlled via Software Software GCK® Compatible Version 3.0+ InformaCast Advanced Compatible Version 8.0+ InformaCast Fusion Compatible Version 3.0+	LCD Display	Scrolling Text Character Count - 160
Viewable Dimensions (H x W) 8.66" (221mm) x 2.23" (57mm) Control Time via NTP - Text Controlled via Software Software GCK® Compatible Version 3.0+ InformaCast Advanced Compatible Version 8.0+ InformaCast Fusion Compatible Version 3.0+	Surface Luminance	1900 cd/m^2 Minimum, All White Pixels
Control Time via NTP - Text Controlled via Software Software GCK® Compatible Version 3.0+ InformaCast Advanced Compatible Version 8.0+ InformaCast Fusion Compatible Version 3.0+	Character Max Height	480 Pixels
Software GCK® Compatible Version 3.0+ InformaCast Advanced Compatible Version 8.0+ InformaCast Fusion Compatible Version 3.0+	Viewable Dimensions (H x W)	8.66" (221mm) x 2.23" (57mm)
GCK® Compatible Version 3.0+ InformaCast Advanced Compatible Version 8.0+ InformaCast Fusion Compatible Version 3.0+	Control	Time via NTP -Text Controlled via Software
InformaCast Advanced Compatible Version 8.0+ InformaCast Fusion Compatible Version 3.0+	Software	
InformaCast Fusion Compatible Version 3.0+	GCK® Compatible Version	3.0+
	InformaCast Advanced Compatible Version	8.0+
SA Appaigned Competible Versions 0.0.19	InformaCast Fusion Compatible Version	3.0+
5A-Aimounce Companine versions 9.0.16+	SA-Announce Compatible Versions	9.0.18+



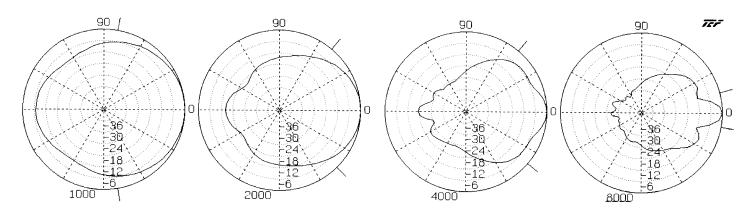
Network	
Ethernet	IEEE 802.3 10/100Base-T
PoE	IEEE 802.3 AF/AT Compliant
VLAN	IEEE 802.1q Tagging
Protocols	
IP Addressing	DHCP / Static
Auto-Provisioning	HTTP/TFTP
Auto-Registration	HTTP / Service Location Protocol / IEDNet
Time	NTP
Telephony	SIP
Enclosure	
Color	White
Grille Material	Powder Coated Steel
Baffle Material	Plastic
Mounting / Rigging Provisions	4 x Screws
Safety Agency Ratings	ETL Listed to Comply with 62368-1, CSA C22.2 #62368-1, IEC 62368-1 CB Scheme and FCC
Ingress Protection	N/A
Logo	One Color Print
Product Dimensions (HxWxD)	14.37" x 12.87" x 4.18" (365mm x 327mm x 106mm)
Shipping Dimensions (HxWxD)	15.5" x 13.9" x 5.5" (394mm x 353mm x 140mm)
Net Weight - lbs	5.21lb (2.36kg)
Shipping Weight - lbs	6.66lb (3.02kg)
Warranty Coverage	
Warranty Period	1 Year

NOTES:

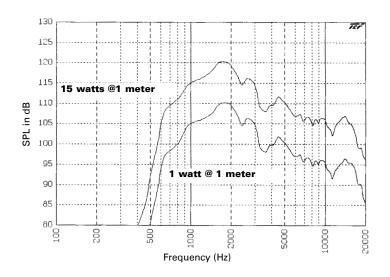
- 1. Sensitivity: Half space pink noise measurement at 6 ft (1.8 m) at 20% power; extrapolated to 1 meter and an input of 2.83 volts RMS.
- $2.\, \text{Watts: All wattage figures are calculated using the rated nominal impedance}.$
- 3. Frequency response and sensitivity are half-space measurements.



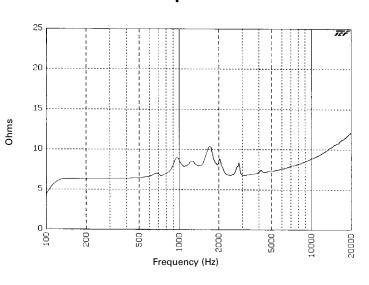
Polars Are Normalized To Zero On Axis



Frequency Response

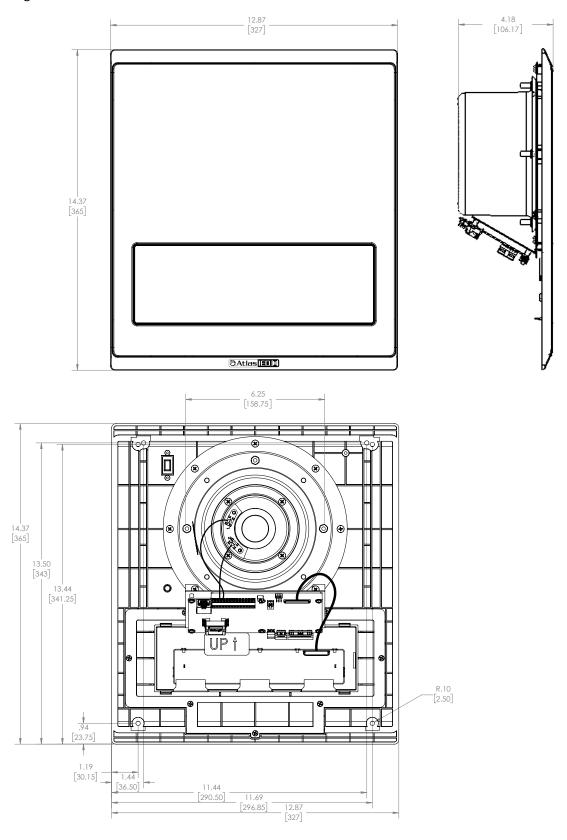


Impedance



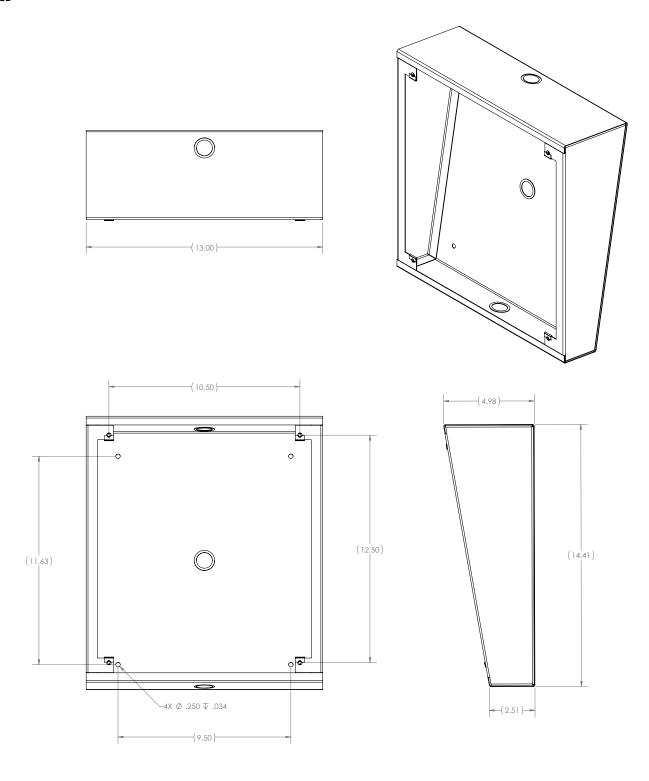


Dimensional Drawings



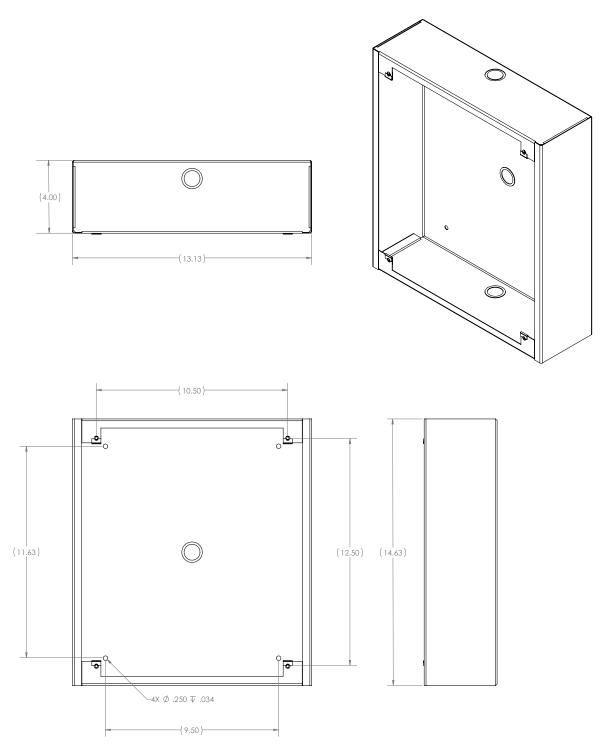


Accessories IP-SEA-SD



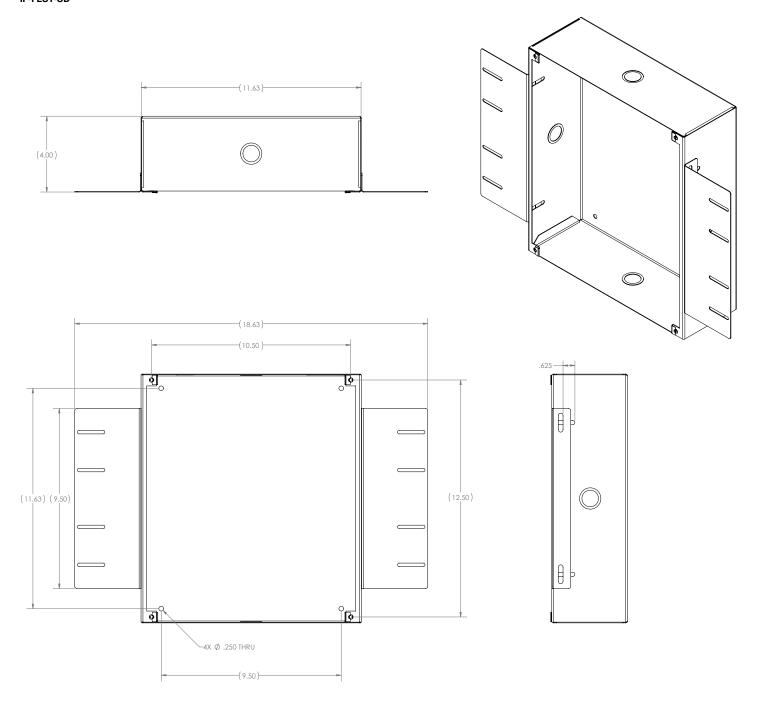


Accessories IP-SEST-SD





Accessories IP-FEST-SD





Architect and Engineer Specifications

The unit shall be AtlasIED model IP-SDH. The PoE+ Indoor IP Endpoint Horn System shall include factory assembled Horn, IP addressable PCB amplifier / control, LCD multi-color display, and plastic baffle.

The horn shall be a double re-entrant type with a 3.8" high-output compression driver mounted within weather-resistant housing. The impedance shall be 8 ohm and a voice coil diameter of 1.25" (32mm). Frequency response shall be 600-14,000 Hz (nominal), 700-5500 Hz (\pm 5dB). Sound pressure level shall be 114dB (15W/1m), 104dB (1W/1m), and max peak output at 1W/1m shall be 120dB SPL. Sound dispersion angle shall be 95°. The Horn dimensions shall be Dia $5^5/\!\!/_{16}$ " x Dia Flange $6^{15}/\!\!/_{16}$ ".

The amplifier / control board shall receive announcements and messages using dynamically routed data on a standard Ethernet Network. It shall include a Single-Channel Class D Topology amplifier with Primary and Secondary Outputs capable of producing 25-watts RMS when using an IEEE 802.3at compatible PoE+ switch or 24VDC local power supply and 12-watts RMS when used with an IEEE 802.3af compliant PoE switch. Interconnect shall be via female RJ-45 connector mounted to the PCB.

The amplifier / control board shall include (2) logic inputs, (1) relay output, (1) Auxiliary Balanced line level audio input and (1) Balanced line level audio output. The Auxiliary Line Level input shall include an auto mute function that is activated when a broadcast is sensed from the control application.

The amplifier / control board shall include a Graphical User Interface (GUI) for SIP configuration. The SIP implementation shall support standards G.711, G.722 and RTP protocols. The Graphical User Interface (GUI) shall configure and manage logic inputs, relay outputs, and Auxiliary audio input.

The unit shall incorporate a High-Resolution Back-Lit color LCD display with viewable dimensions of 8.66" (221mm) wide x 2.23" (57mm) high. It shall receive visual notifications by AtlasIED's GCK, Syn-Apps' Revolution, Singlewire's InformaCast software platforms. It shall display time and date when in standby mode from AtlasIED's GCK, Syn-Apps' Revolution, Singlewire's InformaCast software platforms or by NTP. The display shall produce 1900 cd/m^2 lux brightness and display text and / or time.

All control functionality shall be determined via software. It shall be compatible with AtlasIED's GCK, Syn-Apps' Revolution, Singlewire's InformaCast software platforms and SIP standalone operation. The PoE+Indoor IP Endpoint Speaker System overall dimensions shall be 14.38" (365mm) x 12.88" (327mm) x 4.18" (106mm). Finish shall be neutral white electrostatic powder coat micro perforated grill with plastic trim ring.

Optional enclosures shall include:

IP-SEA-SD Surface mount angled enclosure for IP-SDH

neutral white finish

IP-SEST-SD Surface mount straight enclosure for IP-SDH

neutral white finish

IP-FEST-SD Flush mount straight enclosure for IP-SDH

reclaimed powder coat finish