

IP-SDM-72

PoE+ Indoor IP Endpoint Speaker with LCD, Microphone, and Analog Transformer & Switch



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
- Integrated Microphone Allows for Half-Duplex or Full-Duplex Paging Based on Software Platform
- 25V/70.7V Transformer and Switch for Retrofit Applications

General Description

AtlasIED IP-SDM-72 is an indoor wall mount IP endpoint speaker with integrated talkback microphone and LCD display. 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-SDM-72 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-SDM-72 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-SDM-72 speakers can register as SIP devices directly to a SIP server or VoIP Communications Manager for critical alerts, intercom 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-SDM-72 IP speakers with talkback microphone and LCD display provide effective communication for all individuals.

IP-SDM-72 includes an attached 25V/70V transformer on the rear of the speaker and a switch on the front baffle that allows selection between 25V/70V and network. This enables a facility to install the IP-SDM-72 and use an existing analog paging system to deliver messages until the controller and software are installed. Once that is complete, the grille can be removed and the switch changed to network causing the speaker to receive its information from the controller without the need to remove the speaker. This is ideal for retrofit applications or for systems where components are being installed in phases and the speakers must work during the rollout.





System	
Туре	PoE+ Indoor IP Endpoint Speaker with LCD, Microphone, and Analog Transformer & Switch
Indicators	Network Status (On Back)
Frequency Response (+/- 5dB)	86Hz - 15.5kHz
Vertical Coverage	105° (2kHz Octave Band, -6dB Points)
Horizontal Coverage	105° (2kHz Octave Band, -6dB Points)
Directivity Factor (Q)	17 @ 2 kHz
Max SPL at 1m (Passive)	110dB SPL Continuous
General Purpose Interface	Two Trigger Inputs / One Relay Output (2A @ 30 VDC)
Transformer Taps 70.7V	0.25, 0.5, 1, 2, & 4-Watts
Transformer Taps 25V	0.25, 0.5, 1, 2, & 4-Watts
Transducers	0.20, 0.0, 1, 2, 0.4 Watto
LF Transducer Oty and Size	(1) 8" (203mm)
HF Transducer Qty and Size	(1) 3" (76mm)
HF Crossover Frequency	2,800Hz, First Order
Voice Coil Size	1" (25mm)
Cone Material	Curvelinear, Treated Industrial Paper
Sensitivity	98dB SPL Average
Amplification	900D OFL Average
•	Single Channel Class D. Tanalogy with Primary and Secondary Outputs
Type AC Power leavet	Single-Channel Class D Topology with Primary and Secondary Outputs PoE or PoE+ and External 24VDC
AC Power Input	12 Watts Max (802.3AF) / 25 Watts Max (802.3AT)
Power Rating (RMS) THD	
	<0.2%
Cooling	Passive / Convection
Driver Protection	Built-In Limiter
Microphone	Maria OF (AdDV/Odb 4)//od 4111-)
Sensitivity	Minus 35 (±4dB) / (0db = 1V/pa, 1kHz)
Impedance	Less than 2.2kΩ Omnidirectional
Directivity	
Frequency Range	20Hz – 20kHz
Standard Operation Voltage	2V
Max. Operation Voltage	10V
Current Consumption Max.	0.5 mA
Sensitivity Reduction Within	Minus 3dB @ 1.5V
S/N Ratio	More than 62dB
Audio Inputs and Outputs	One Polanced Line Lovel
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	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	8Ω, 12W (802.3AF), 25W (802.3AT)
Output: Speaker Connectivity	Primary and Slave Secured Screw Terminal Block





Display Display High Resolution Bask-Lit Cotor Liquid Crystal Display	Display	
LCD Display Scrolling Text Character Count - 160 Surface Luminance 1900 cdm/n2 Minimum, All White Pixels Character Max Height 480 Pixels Miewabile Dimensions (H x W) 8.66° (221mm) x 2.23° (572mm) Control Time via NTP - Text Controlled via Software Software Software Software Software InformaCast Advanced Compatible Version 8.0+ InformaCast Fusion Compatible Version 3.0+ SA-Announce Compatible Versions 9.0-18+ National Cast Advanced Compatible Versions 9.0-18+ National Cast Fusion Compatible Versions 9.0-18+ National Cast Advanced Compatible Versions 9.0-18+ Product Product Dimensions (H Value Cast Advanced Cast Act Server Cast Act Server Cast Act Server Cast Act Cast Act Cast Act Cast Act Cast Act Cast	Display Type	High Resolution Back-Lit Color Liquid Crystal Display
Surface Luminance	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° (672mm) Control Time via NTP - Text Controlled via Software Software Informace Max Manuel Compatible Version 6 CK** Compatible Version 3.0+ Informacest Advanced Compatible Version 3.0+ SA-Announce Compatible Versions 9.0.18+ Natvork IEEE 802.3 10/1008ase-T Ethernet IEEE 802.3 14/100Base-T PC IEEE 802.3 14/10 Compilant VLAN IEEE 802.1 Tagging National Compatible Versions IEEE 802.1 Tagging SIP (Septiment Compatible Versions) IEEE 802.1	LCD Display	Scrolling Text Character Count - 160
Viewable Dimensions (H x W) 8.66° (221mm) x 2.23° (572mm) Control Time via NTP -Text Controlled via Software Software CRUSTON Software Software CRCW Compatible Version 3.0+ InformaCast Advanced Compatible Version 3.0+ SA-Announce Compatible Versions 9.0.18+ Network Process Ethernet IEEE 802.3 10/1008ase-T PDE IEEE 802.3 14/AT Compliant VLAN IEEE 802.1 1/agging Potosools Protosols IP Addressing DHCP / Static Auto-Provisioning HTTP / Service Location Protocol / IEDNet Time NTP or Host Server Telephony SIP Enclosure Color Color White Grille Material Posatic 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 Log One Color Print Product Dimensions (HxWxD) 14.37° x 12.87° x 3.42° (366mm x 327mm x 87mm) 5	Surface Luminance	1900 cd/m^2 Minimum, All White Pixels
Control Time via NTP - Text Controlled via Software Software CKC*** GCK*** Compatible Version 3.0+ Informaceast Advanced Compatible Version 8.0+ Informaceast Fusion Compatible Versions 9.0.18+ SA-Announce Compatible Versions 9.0.18+ Network Ethernet IEEE 802.3 10/1008ase-T PDE IEEE 802.3 AF/AT Compliant VLAN IEEE 802.1 g Tegging Protocols IP Addressing DHCP / Static Auto-Provisioning HTTP / TFTP Auto-Registration HTTP / Service Location Protocol / IEDNet Time NTP or Host Server Telephony SIP Enclosure Color White Brille Meterial Powder Costed Steel Baffle Material Pisatic 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 I/I/A	Character Max Height	480 Pixels
Software GCK® Compatible Version 3.04 InformaCast Advanced Compatible Version 8.04 InformaCast Fusion Compatible Version 3.04 SA-Announce Compatible Versions 9.0.18+ Network ************************************	Viewable Dimensions (H x W)	8.66" (221mm) x 2.23" (572mm)
GCK* Compatible Version 3.0+ InformaCast Advanced Compatible Version 8.0+ SA-Announce Compatible Versions 9.018+ Network ************************************	Control	Time via NTP - Text Controlled via Software
InformaCast Advanced Compatible Version 8.0+ SAAnnounce Compatible Versions 9.0.18+ Network ************************************	Software	
InformaCast Fusion Compatible Versions 3.0+ SA-Announce Compatible Versions 9.0.18+ Network Ethernet IEEE 802.3 10/100Base-T POE IEEE 802.3 AF/AT Compliant VLAN IEEE 802.1 Tagging Protocols IP Addressing DHCP / Static Auto-Provisioning HTTP / TFTP Auto-Registration HTTP / Service Location Protocol / IEDNet Time NTP or Host Server Telephony SIP Color Finclosure Vinite 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) 15.5° x 13.9° x 5.5° (394mm x 353mm x 140mm) Net Weight - Ibs 5.781b (2.62kgl) Shipping Weight - Ibs 7.131b (3.23kg)	GCK® Compatible Version	3.0+
SA Announce Compatible Versions 9.0.184 Network IEEE 802.3 10/1008ase-T PoE IEEE 802.3 AF/AT Compliant VLAN IEEE 802.1 Tagging Protocols IEEE 802.1 Tagging IP Addressing DHCP / Static Auto-Provisioning HTTP / TFTP Auto-Registration HTTP / Service Location Protocol / IEDNet Time NP or Host Server Telephony SIP Enclosure U Color White Grilled 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 3.42" (365mm x 327mm x 87mm) Shipping Dimensions (HxWxD) 15.5" x 13.3" x 15.5" (334mm x 353mm x 140mm) Net Weight - Ibs 5.78lb (2.62kg) Shipping Weight - Ibs 5.78lb (2.62kg)	InformaCast Advanced Compatible Version	8.0+
Network IEEE 802.3 10/100Base-T PCE IEEE 802.3 AF/AT Compilant VLAN IEEE 802.1 q Tagging Protocols IP Addressing DHCP / Static Auto-Provisioning HTTP / TETP Auto-Registration HTTP / Service Location Protocol / IEDNet Time NTP or Host Server Telephony SIP Enclosure White Color White Grille Material Plostic 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 Log One Color Print Product Dimensions (HxWxD) 16.5° x 13.9° x 5.5° (394mm x 327mm x 87mm) Shipping Dimensions (HxWxD) 15.6° x 13.9° x 5.5° (394mm x 353mm x 140mm) Net Weight - Ibs 5.78lb (2.62kg) Warranty Coverage	InformaCast Fusion Compatible Version	3.0+
Ethernet IEEE 802.3 10/100Base-T PoE IEEE 802.3 AF/AT Compliant VLAN IEEE 802.1 q Tagging Protocols Image: Complex of the	SA-Announce Compatible Versions	9.0.18+
POE IEEE 802.3 AF/AT Compliant VLAN IEEE 802.1q Tagging Protocols IP Addressing DHCP / Static Autc-Provisioning HTTP / FFTP Autc-Registration HTTP / Service Location Protocol / IEDNet Time NTP or Host Server Telephony SIP Enclosure Vinite Color White Grille Material Powder Coated Steel Baffle Material Plastic Mountiny / 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 3.42' (365mm x 327mm x 87mm) Shipping Dimensions (HxWxD) 15.5' x 13.9' x 5.5' (394mm x 353mm x 140mm) Net Weight - Ibs 5.78Ib (2.62kgl) Shipping Weight - Ibs 7.18Ib (3.23kg)	Network	
VLAN IEEE 802.1q Tagging Protocols Between the protocol of protocol of IEDNet Auto-Provisioning HTTP / TFTP Auto-Registration HTTP / Service Location Protocol / IEDNet Time NTP or Host Server Telephony SIP Enclosure Volide 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 3.42" (365mm x 327mm x 87mm) Shipping Dimensions (HxWxD) 15.5" x 13.9" x 5.5" (394mm x 353mm x 140mm) Net Weight - Ibs 5.78Ib (2.62kg) Shipping Weight - Ibs 7.13Ib (3.23kg)	Ethernet	IEEE 802.3 10/100Base-T
Protocols IP Addressing DHCP / Static Auto-Provisioning HTTP / TFTP Auto-Registration HTTP / Service Location Protocol / IEDNet Time NTP or Host Server Telephony SIP Enclosure White Color White Grille Material Powder Costed 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 3.42" (365mm x 327mm x 87mm) Shipping Dimensions (HxWxD) 15.5" x 13.9" x 5.5" (394mm x 353mm x 140mm) Net Weight - Ibs 5.78lb (2.62kg) Shipping Weight - Ibs 7.13lb (3.23kg)	PoE	IEEE 802.3 AF/AT Compliant
P Addressing	VLAN	IEEE 802.1q Tagging
Auto-Provisioning HTTP / TFTP Auto-Registration HTTP / Service Location Protocol / IEDNet Time NTP or Host Server Telephony SIP Enclosure White 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 3.42" (365mm x 327mm x 87mm) Shipping Dimensions (HxWxD) 15.5" x 13.9" x 5.5" (394mm x 353mm x 140mm) Net Weight - Ibs 5.78Ib (2.62kg) Shipping Weight - Ibs 7.13Ib (3.23kg)	Protocols	
Auto-Registration HTTP / Service Location Protocol / IEDNet Time NTP or Host Server Telephony SIP Enclosure White 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 3.42" (365mm x 327mm x 87mm) Shipping Dimensions (HxWxD) 15.5" x 13.9" x 5.5" (394mm x 353mm x 140mm) Net Weight - Ibs 5.78lb (2.62kg) Shipping Weight - Ibs 7.13lb (3.23kg) Warranty Coverage	IP Addressing	DHCP / Static
Time NTP or Host Server Telephony SIP Enclosure White 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 3.42" (365mm x 327mm x 87mm) Shipping Dimensions (HxWxD) 15.5" x 13.9" x 5.5" (394mm x 353mm x 140mm) Net Weight - Ibs 5.78Ib (2.62kg) Shipping Weight - Ibs 7.13lb (3.23kg)	Auto-Provisioning	HTTP/TFTP
Telephony Finclosure Color White Grille Material Baffle 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 3.42" (365mm x 327mm x 87mm) Shipping Dimensions (HxWxD) 15.5" x 13.9" x 5.5" (394mm x 353mm x 140mm) Net Weight - Ibs 5.78lb (2.62kg) Shipping Weight - Ibs 7.13lb (3.23kg)	Auto-Registration	HTTP / Service Location Protocol / IEDNet
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 3.42" (365mm x 327mm x 87mm) Shipping Dimensions (HxWxD) 15.5" x 13.9" x 5.5" (394mm x 353mm x 140mm) Net Weight - Ibs 5.78lb (2.62kg) Shipping Weight - Ibs 7.13lb (3.23kg) Warranty Coverage	Time	NTP or Host Server
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 3.42" (365mm x 327mm x 87mm) Shipping Dimensions (HxWxD) 15.5" x 13.9" x 5.5" (394mm x 353mm x 140mm) Net Weight - Ibs 5.78lb (2.62kg) Shipping Weight - Ibs 7.13lb (3.23kg) Warranty Coverage	Telephony	SIP
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 3.42" (365mm x 327mm x 87mm) Shipping Dimensions (HxWxD) 15.5" x 13.9" x 5.5" (394mm x 353mm x 140mm) Net Weight - Ibs 5.78lb (2.62kg) Shipping Weight - Ibs 7.13lb (3.23kg) Warranty Coverage	Enclosure	
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 3.42" (365mm x 327mm x 87mm) Shipping Dimensions (HxWxD) 15.5" x 13.9" x 5.5" (394mm x 353mm x 140mm) Net Weight - Ibs 5.78lb (2.62kg) Shipping Weight - Ibs 7.13lb (3.23kg) Warranty Coverage	Color	White
Mounting / Rigging Provisions 4 x Screws 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 3.42" (365mm x 327mm x 87mm) Shipping Dimensions (HxWxD) 15.5" x 13.9" x 5.5" (394mm x 353mm x 140mm) Net Weight - lbs 5.78lb (2.62kg) Shipping Weight - lbs 7.13lb (3.23kg) Warranty Coverage	Grille Material	Powder Coated Steel
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 3.42" (365mm x 327mm x 87mm) Shipping Dimensions (HxWxD) 15.5" x 13.9" x 5.5" (394mm x 353mm x 140mm) Net Weight - Ibs 5.78lb (2.62kg) Shipping Weight - Ibs 7.13lb (3.23kg) Warranty Coverage ***Total Control of the Canada	Baffle Material	Plastic
Ingress Protection N/A Logo One Color Print Product Dimensions (HxWxD) 14.37" x 12.87" x 3.42" (365mm x 327mm x 87mm) Shipping Dimensions (HxWxD) 15.5" x 13.9" x 5.5" (394mm x 353mm x 140mm) Net Weight - Ibs 5.78lb (2.62kg) Shipping Weight - Ibs 7.13lb (3.23kg) Warranty Coverage ***Total Coverage***	Mounting / Rigging Provisions	4 x Screws
Logo One Color Print Product Dimensions (HxWxD) 14.37" x 12.87" x 3.42" (365mm x 327mm x 87mm) Shipping Dimensions (HxWxD) 15.5" x 13.9" x 5.5" (394mm x 353mm x 140mm) Net Weight - Ibs 5.78lb (2.62kg) Shipping Weight - Ibs 7.13lb (3.23kg) Warranty Coverage	Safety Agency Ratings	ETL Listed to Comply with 62368-1, CSA C22.2 #62368-1, IEC 62368-1 CB Scheme and FCC
Product Dimensions (HxWxD) 14.37" x 12.87" x 3.42" (365mm x 327mm x 87mm) Shipping Dimensions (HxWxD) 15.5" x 13.9" x 5.5" (394mm x 353mm x 140mm) Net Weight - lbs 5.78lb (2.62kg) Shipping Weight - lbs 7.13lb (3.23kg) Warranty Coverage 1.28 mm x 327mm x 87mm	Ingress Protection	N/A
Shipping Dimensions (HxWxD) 15.5" x 13.9" x 5.5" (394mm x 353mm x 140mm) Net Weight - lbs 5.78lb (2.62kg) Shipping Weight - lbs 7.13lb (3.23kg) Warranty Coverage	Logo	One Color Print
Net Weight - Ibs 5.78lb (2.62kg) Shipping Weight - Ibs 7.13lb (3.23kg) Warranty Coverage	Product Dimensions (HxWxD)	14.37" x 12.87" x 3.42" (365mm x 327mm x 87mm)
Shipping Weight - lbs 7.13lb (3.23kg) Warranty Coverage	Shipping Dimensions (HxWxD)	15.5" x 13.9" x 5.5" (394mm x 353mm x 140mm)
Warranty Coverage	Net Weight - lbs	5.78lb (2.62kg)
	Shipping Weight - lbs	7.13lb (3.23kg)
Warranty Period 1 Year	Warranty Coverage	
	Warranty Period	1 Year

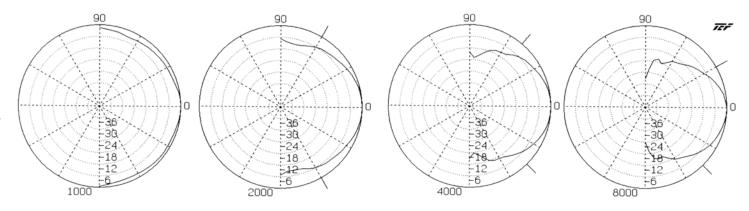
NOTES:

- 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.
- $2.\,Watts:\,All\,\,wattage\,\,figures\,\,are\,\,calculated\,\,using\,\,the\,\,rated\,\,nominal\,\,impedance.$
- 3. Frequency response and sensitivity are half-space measurements.

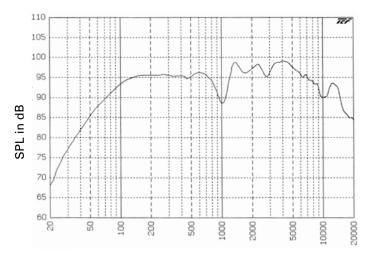




Polars Are Normalized To Zero On Axis (-6dB)

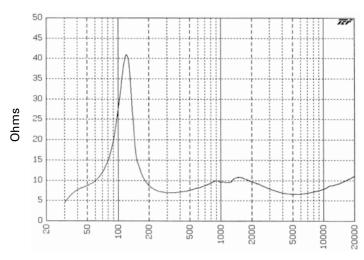


Frequency Response



Frequency (Hz)

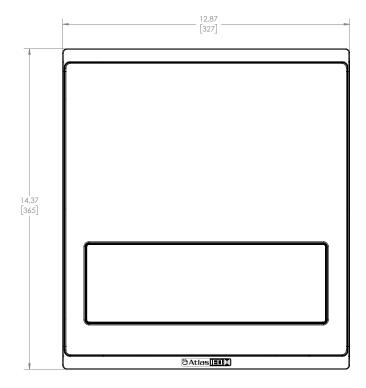
Impedance

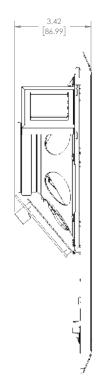


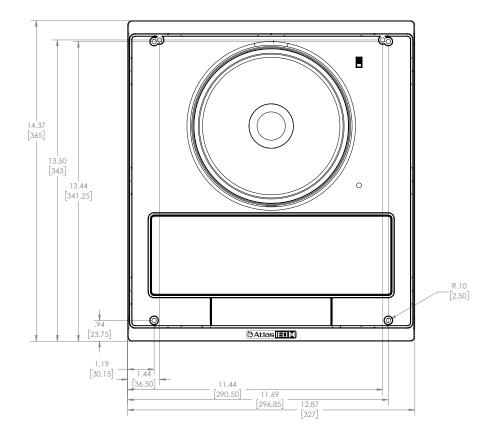
Frequency (Hz) Octave Smoothing = 30.0%



Dimensional Drawings

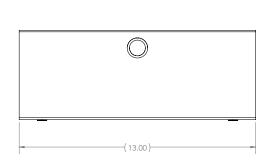


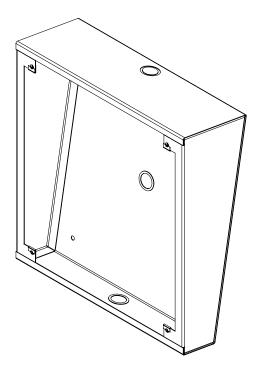


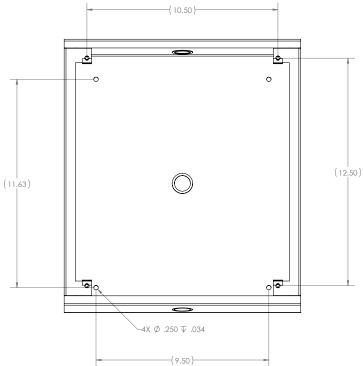


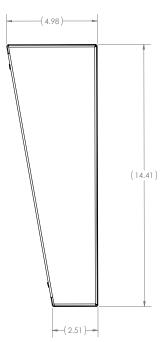


Accessories IP-SEA-SD



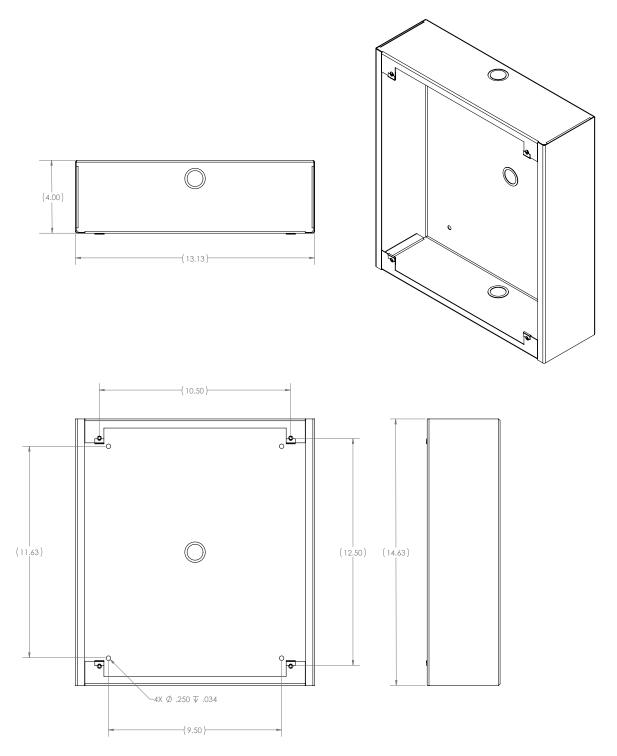






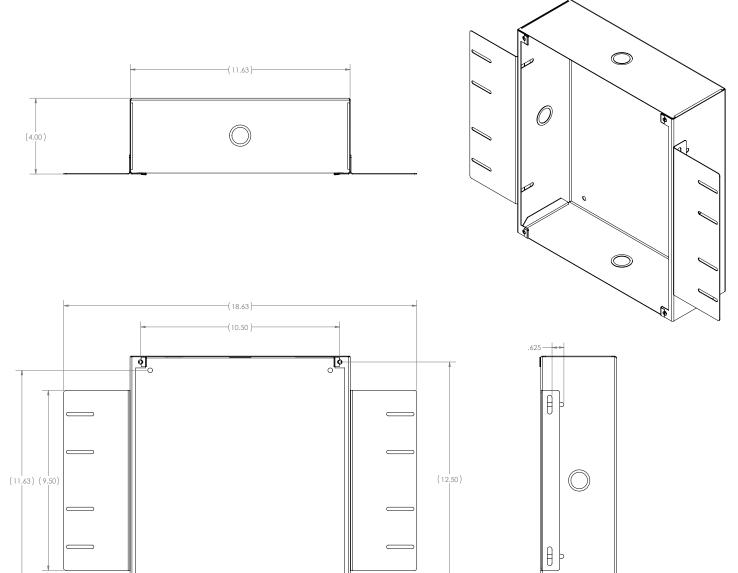


Accessories IP-SEST-SD





Accessories IP-FEST-SD



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-4X Ø .250 THRU

(9.50)



Architect and Engineer Specifications

The unit shall be AtlasIED model IP-SDM-72. The PoE+ Indoor IP Endpoint Speaker System shall include factory assembled speaker, IP addressable PCB amplifier / control, plastic baffle, LCD multi-color display, 25/70V analog transformer w/ switch and integrated microphone.

The speaker shall be an 8" Coaxial driver with low-frequency reproducer cone shall be a full 8" (203mm) in diameter and the high frequency reproducer cone shall be 3" (76mm) in diameter. The woofer shall have a 10oz. (260g) ceramic magnet; the tweeter shall have a 2.35oz. (67g) ceramic magnet. The two reproducer sections shall be coupled through a built-in crossover network.

The crossover frequency shall be at 2800Hz. The speaker dispersion shall be 105° and Frequency response range shall be 86Hz – 15.5kHz, (\pm 5dB). Sensitivity shall be 98dB at 1 Watt / 1 meter. Voice coil impedance shall be 8 Ω . Low frequency voice coil diameter shall be 1" (25mm) and operate in a magnet field of at least 10,600 gauss. The maximum depth of the loudspeaker shall not exceed $2^{7}/s^{**}$ (73mm).

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 an integrated microphone to allow full duplex talkback communication functionality based upon chosen software platform.

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 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.

The unit shall incorporate an integrated interconnect for simultaneous 25/70V analog headend and network notification appliance connectivity. Operating modes shall be selected by front mount switch to accommodate audio source selection during modernization phase.

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 3.42" (87mm). 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-SDM-72 neutral white finish
IP-SEST-SD	Surface mount straight enclosure for IP-SDM-72 neutral white finish
IP-FEST-SD	Flush mount straight enclosure for IP-SDM-72

reclaimed powder coat finish

