



The **MS-300** is a network Interface that has intercom, paging and emergency notification, providing full-duplex audio. It is easy-to-use and easy-to-install. The entire unit is Powered over Ethernet (PoE). Intercom and paging functionalities\*\* are built-in. During emergencies, paging can still be heard, even when the power goes out. This unit can be installed as part of the SAFE (Signal Alert For Education) System™.

The MS-300 features the following key benefits:

- Powered over Ethernet!
- Full duplex SIP communications
- EPIC integration
- SAFE System interface
- Flexible integration with other building systems (access control, strobes, etc.)



## MS-300 Specifications\*

Line Input	Internal Network Audio
Line Outputs	1 Unbalanced (3.5 mm) output
Minimum Load Impedance	4 Ohms
Amplifier Type	92% Efficient Class D for network audio only
Continuous Power @ 1% THD	25 Watts powered by PoE†
S/N	>89 dB @ 20 Hz to 20 kHz at maximum output
Protection Circuits	Thermal and short circuit protected
PA Connector	Connects to public address system and mutes amplifier during announcements Input Voltage: 4.0 Volts RMS to 74 Volts RMS
Control Port	RS-232, 3-pin screw terminal block header, RJ45 remote control port <ul style="list-style-type: none"> <li>• RS-232 communication port</li> <li>• Intercom call, emergency alert, room microphone wall plate port (WPA-50x)</li> <li>• Input/output (I/O) aux port for sense, strobe, etc.</li> </ul>
Power Supply	PoE + 802.3af/at‡
Temperature/Humidity	Storage: -40 to 158°F (-40 to +70°C) / 10-90% non-condensing Operating: -32-122°F (0 to +50°C) / 10-90%
Enclosure Type	Metal
Ethernet I/F	10/100 Mbps
Power Input (Network)	PoE 802.3af/at‡
Operating Temperature	14° F to 122° F (-10° C to 50° C)
Protocols	SIP RFC 3261 compatible UDP Directed Broadcast Multi-cast and VoIP enabled
Lineout: Output Signal Amplitudes	2.0 VPP maximum
Output Level	+2 dBm nominal
Total Harmonic Distortion	0.5% maximum
Weight	1.3 lbs (589.67 g)
Dimensions	1.125 (H) x 9.19 (W) x 3.56 (D) in. (28.57 x 233.43 x 90.42 mm)

## SAFE System™

### Signal Alert For Education

#### Compatible

*SAFE (Signal Alert For Education) System (patent pending) is an alert notification system not intended to be a life-saving device or prevent emergencies. Audio Enhancement, our agents, employees, subsidiaries, affiliates and parent companies are exempt from liability for any loss, damage, injury or other consequence arising directly or indirectly from the application of our equipment. In the event of misuse or malfunction of the SAFE System or any of its components, Audio Enhancement, our agents, employees, subsidiaries, affiliates and parent companies are exempt from liability for any loss, damage, injury or other consequence arising directly or indirectly therefrom.*



\* All specifications subject to change.

† Dependent on PoE switch.

\*\*Third party SIP license required.