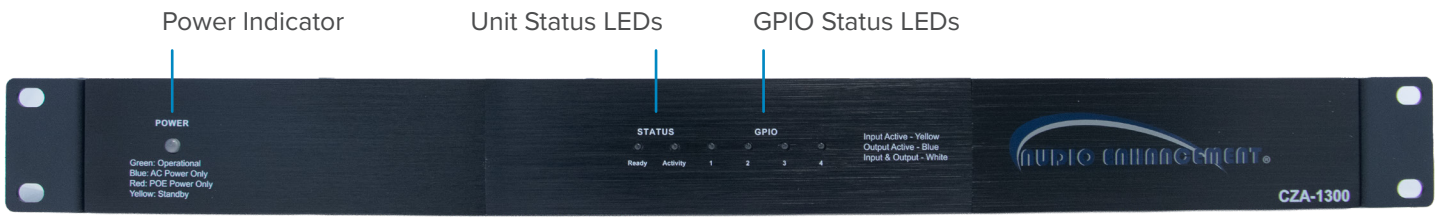
CZA-1300/1300A
Spec Sheet

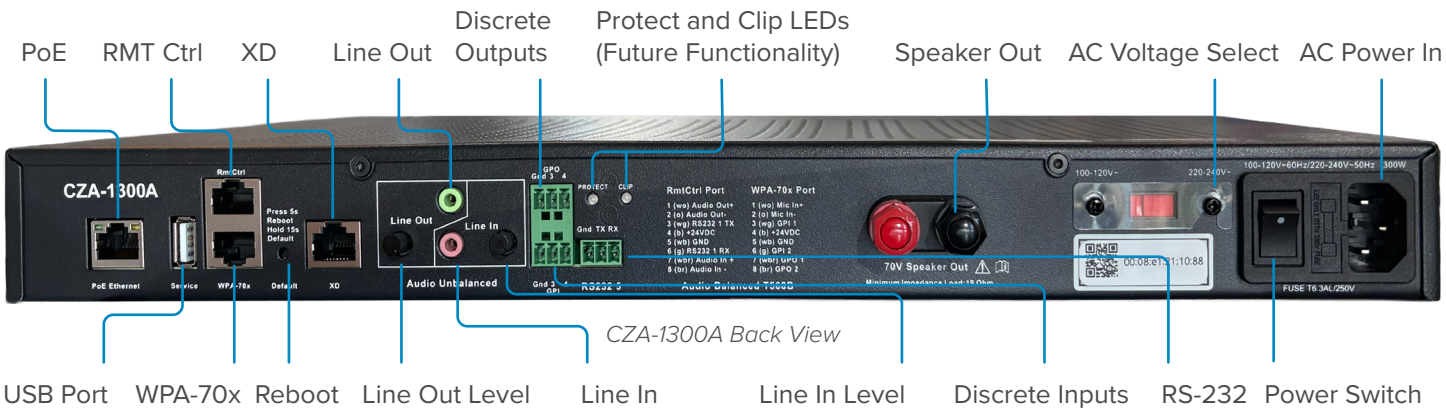
The Audio Enhancement® **CZA-1300/1300A Amplifier** is a fully integrated 70 V amplifier designed to integrate seamlessly with the EPIC (Education Paging & Intercom Communications) System® platform and provide audio in large areas like cafeterias, gymnasiums, and hallways. This is a network connected amplifier which facilitates paging and emergency notifications as part of the EPIC System. It is easy-to-use, easy-to-install, and has a simple user interface. When used in conjunction with an Uninterruptible Power Supply (UPS), paging will remain operational during emergencies. This unit can be installed as part of the SAFE (Signal Alert For Education) System®. It can also be connected to an XD Receiver and used as an intercom for full duplex audio.



Front View



CZA-1300 Back View



CZA-1300A Back View

Specifications

ST-AM-1028 CZA-1300/1300A Amplifier	
LED Information	Power Green - Powered On Blue - AC Power Only Red - Power over Ethernet (PoE) Power Only Yellow - Standby GPIO (General Purpose I/O) Yellow - Input Active Blue - Output Active White - Input & Output Active Activity Status Off - No Active Event Red - Active Event Protect and Clip Future Functionality
Line Inputs	For PC, DVD audio, MP3, auxiliary mic, or other multimedia sources (1) Unbalanced inputs (3.5 mm) (1) Microphone Input (2) Balanced inputs RJ45 connectors Internal Network Audio
Input Sensitivity	780 mV
Output Power	(3) 24 V RJ45 connectors
Line Outputs	(1) Unbalanced (3.5 mm) output (1) Balanced line outputs (RJ45 connectors)
USB	Control and configuration via software. BLE Dongle for easy setup
Speakers	70 V Speakers
Amplifier Type	92% Efficient Class D
Continuous Power @ 1% THD	300 W
S/N	>89 dB @ 20 Hz - 20 kHz at maximum output
Minimum Impedance Load	19 Ω
Protection Circuits	Thermal and short circuit protected
Control Port	(1) RS-232 communication ports to facilitate SAFE System communications or used to control another device such as a projector (1) RMT CTRL Ports: for integration with LCD ITC wall plate control, RJ45 (1) WPA Port, RJ45 (1) GPO port, 3 pin Phoenix (1) GPI port, 3 pin Phoenix
Power Supply	100 V – 120 V/220 V – 240 V @ 300 W powers amplifier PoE (PoE 802.3af) Powers all electronics except for the 70 V Speaker Out amplifier Both AC power and PoE power must be connected for the unit to operate
Controls	Power On/Off Switch (Rear Panel)
Temperature/Humidity	Storage: -40 - 158° F (-40 - +70° C)/10-90% non-condensing Operating: -32 - 122° F (0 - +50° C)/10-90%
Enclosure Type	Steel
Ethernet I/F	10/100 Mbps
Protocols	SIP RFC 3261 compatible UDP Directed Broadcast Multi-cast and VoIP enabled
Output Signal Amplitudes	2.0 VPP maximum
Output Level	+2 dBm nominal
Total Harmonic Distortion	THD+N: 1.20%
Weight	8.5 lbs (136 oz)
Dimensions	1.75 (H) x 19 (W) x 10 (D) in (44 x 483 x 254 mm)