



Prepared For Mercer ES, Mercer Co School District
Proposal ID# 138939
SAP Quote# 107274
August 14, 2025



SOLUTIONS PROPOSAL



Dear Mercer Co School District,

I want to personally thank you for inviting us to submit a proposal to Mercer Co School District!

When my mother, Claudia Anderson, founded Audio Enhancement over 40 years ago, we never imagined the impact our services would have on education today. Through customer feedback, we have grown from offering classroom audio solutions to providing district-wide communication and safety technology. We have impacted over 4,500 districts, 43,000 schools, and over 1,300,000 classrooms across the world. We are excited for the opportunity to help you!

Our team focuses on hiring employees with a passion to make a difference in education. We look forward to developing a deeper partnership with Mercer Co School District through building friendship and trust during the ongoing stages of your project.

It is our pleasure to submit this proposal to Mercer Co School District. As with all proposals, revisions can be made at any time.

We look forward to your response and are available to answer any questions during the review process.

From all of us here at Audio Enhancement, thank you!

Sincerely yours,



A large, stylized handwritten signature in black ink, which appears to read "J. Anderson".

Jeff Anderson
Audio Enhancement, CEO

Notice of Confidentiality: The contents of this proposal are intended solely for the use of the addressee and their organization and contains confidential and/or privileged information and may not be disclosed to any other party without written authorization from Audio Enhancement Inc.

COMPANY HISTORY

Making a Difference In Education

For more than forty years, Audio Enhancement® has served the schools throughout the United States, providing both classroom audio enhancement systems as well as integration services for classroom technology. Audio Enhancement is headquartered in Utah, and has facilities in Georgia and Florida.

Audio Enhancement was founded in 1978 by Claudia Anderson around the simple idea that “learning begins with hearing.” Having two hearing impaired children; the first Audio Enhancement systems were designed specifically for the hearing impaired. Early in our history, technological advancements made it possible to also provide whole classroom sound systems, benefiting all students. Audio Enhancement has been the innovator and leader in this field.

By 2004, it was clear that classroom audio enhancement systems were a key part of the overall technology landscape in the classroom. Based on our high level of support, outstanding customer service, and training that was provided for the audio systems, several school districts came to us and requested that we expand our product offerings. Based on these requests, we undertook an initiative to increase our capabilities in order to provide a complete integrated technology package for the classroom. These offerings include display devices, control, video/audio playback devices and interactive technologies. By utilizing the principles developed over thirty years of providing classroom audio systems to the schools, we were able to provide both technical integration, teacher in-servicing, training, and professional development to help the schools ensure the success of their technology goals.

Moving the company forward, in 2008, Audio Enhancement was incorporated: Jeff Anderson, President and CEO, Jennifer Crum, CFO, Jeremy Anderson, CAO, and Justin Anderson, COO. Today, the Audio Enhancement product line improves student achievement, decreases teacher vocal fatigue and absenteeism, and creates positive student behavior. Audio Enhancement systems also increase focus and attention and supports classroom management.



The Anderson Family

CLASSROOM AUDIO



A classroom Audio Enhancement® system provides teachers with benefits seen in documented sound field system research with the consistency and clarity of the newest classroom technology - XD Audio. Teachers wear an XD Microphone with confidence of zero signal drop-outs. This delivers their voices to each student as clearly as if the teacher were sitting right next to them. With Classroom Audio, you can expect more time on task, fewer behavior issues, less teacher verbal repetition, and better content understanding. These provide an increase in actual instructional time, one thing every teacher can use more of. Clear and equitably distributed audio in the classroom contributes to the overall quality of instruction, targeting gaps in learning.

STATEMENT OF FEATURES



Selected Systems and Products

Optimum System with Programming

QTY - 36

COMPATIBILITY



The MS-700 Optimum Amplifier is a fully integrated networked classroom amplifier and wireless microphone receiver. This amplifier has network-based intercom, paging and emergency notification, and provides full-duplex audio. It is easy-to-use, easy-to-install, and has simple user interface software. The entire unit utilizes Power over Ethernet (PoE+). Intercom and paging functionalities[†] are built-in. During emergencies, paging can still be heard, even when the power goes out.

INCLUDED COMPONENTS



Wiring Bundle for Sentinel Amplifiers



Interactive Touch Controller Bundle with Programming



MS-700 Network Amp with Integrated XD Receiver with Programming



XD Teacher Box with Teacher Pendant and Student Handheld Microphone (2024)

Full System Product Details

Wiring Bundle for Sentinel Amplifiers, Interactive Touch Controller Bundle with Programming, MS-700 Network Amp with Integrated XD Receiver with Programming, XD Teacher Box with Teacher Pendant and Student Handheld Microphone (2024).

BOM ONLY EPIC Head End System

QTY - 01

COMPATIBILITY



Everything you need in order for an EPIC System central head-end.



INCLUDED COMPONENTS



EPIC Grandstream Enterprise Phone with Programming



EPIC Kiosk with Programming



EPIC Appliance 1U Rackmount with Programming



CLAUDIA, EPIC Front Office Media Player with Programming (Requires AC Power)



EPIC System Platform License



SAFE System License

+ More

Full System Product Details

EPIC Grandstream Enterprise Phone with Programming, EPIC Kiosk with Programming, EPIC Appliance 1U Rackmount with Programming, CLAUDIA, EPIC Front Office Media Player with Programming (Requires AC Power), EPIC System Platform License, SAFE System License, EPIC System Intercom Paging & Bells License (Requires EP-0009), 2U Vented Utility Shelf for EPIC Appliance, Smart-UPS 1000VA LCD 2U 120V Battery Backup For EPIC Appliance, UPS 425VA 6-Outlet 120V for use with EPIC Kiosk, EPIC Custom Map Development Services, EPIC System Third Party System Integration, EPIC Administrator Training, Programming Fee, EPIC Experience Training, EPIC Phone Integration License, InfoView Visual Messaging and Clock License (Requires EP-0009).

Single Sided InfoView Display w/ Enclosure

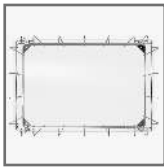
QTY - 03

COMPATIBILITY



The EPIC System InfoView Display is a display device specifically designed for the K-12 campus. With a PoE powered 24" Full HD display. This high-performance, energy-efficient, world-class Digital Signage Systems deliver power and data over a single Ethernet cable, offering greatly increased flexibility with location and positioning.

INCLUDED COMPONENTS



Clock Guard Dynamic Displays for InfoView Clocks



InfoView Display with Wall Mount (Requires PoE+)

Full System Product Details

Clock Guard Dynamic Displays for InfoView Clocks, InfoView Display with Wall Mount (Requires PoE+).

Hallway Double Sided - Wall, Visual Messaging Display

QTY - 06

COMPATIBILITY



The EPIC System InfoView Display is a display device specifically designed for the K-12 campus. With a PoE powered 24" Full HD display. This high-performance, energy-efficient, world-class Digital Signage Systems deliver power and data over a single Ethernet cable, offering greatly increased flexibility with location and positioning.

INCLUDED COMPONENTS



Double-sided
InfoView Display with
Wall Mount (Requires
PoE+)

Full System Product Details

Double-sided InfoView Display with Wall Mount (Requires PoE+).

CZA-1300 Amplifier

QTY - 09

COMPATIBILITY



The CZA-1300 Amplifier is a fully integrated 70 Volt amplifier designed to integrate seamlessly with the EPIC 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 platform. It is easy-to-use, easy-to-install, and has a simple user interface.

INCLUDED COMPONENTS



EPIC Common Zone
Amplifier with
Network Interface 1 X
300W 70V, 1U with
Programming

Full System Product Details

EPIC Common Zone Amplifier with Network Interface 1 X 300W 70V, 1U with Programming.

(MS-775) 2-Way SAFE Extender System with Programming

QTY - 03

COMPATIBILITY



The MS-775 Network Interface provides extended range for non-paired SAFE Alerts. It can also be used to provide paging & intercom for a small office. The entire unit utilizes Power over Ethernet (PoE+) and supports full duplex SIP communications. When used in conjunction with a UPS, paging can still be heard during power outages and emergencies. This unit can be installed as part of the EPIC System, SAFE System, or integrated with other building systems.

INCLUDED COMPONENTS



Outdoor Enclosure for MS Devices



MS-775 Network Interface for SAFE Alert Extender with Programming (Requires PoE+)

Full System Product Details

Outdoor Enclosure for MS Devices, MS-775 Network Interface for SAFE Alert Extender with Programming (Requires PoE+).

STATEMENT OF FEATURES



Selected Systems and Products

CS-12 Ceiling Speaker, Circle Cut In,
Plenum Rated, Set of 4

QTY - 35



The Ceiling Speaker (CS-12) has a tuned ported enclosure that provides superior bass response while maintaining efficiency. Speaker grill comes preinstalled from factory. Metal speaker back meets UL 2043 criteria for plenum installation. Tile bridges included.

70V Ceiling Speaker, Circle Cut In

QTY - 71



The EPIC 70V Ceiling Speaker is a fully assembled speaker assembly, with back can and speaker grill. The speaker has a tuned ported enclosure that provides superior bass response while maintaining a very high sensitivity. The transformer tap selector is easily accessible on the side of the speaker. Metal speaker back meets UL 2043 criteria for plenum installation.

Low Profile Speaker

QTY - 08



Pro Audio Low Profile Speaker 70V.

CS-12 Ceiling Speaker, Circle Cut In,
Plenum Rated, Set of 2

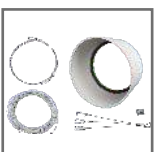
QTY - 01



The Ceiling Speaker (CS-12) has a tuned ported enclosure that provides superior bass response while maintaining efficiency. The speaker grill comes preinstalled from the factory. Metal speaker back meets UL 2043 criteria for plenum installation.

Pendant Shroud Bundle , Set of 4
(Requires SP-0300)

QTY - 01



Pendant shroud bundle for circle cut in 70V speakers. Bundle includes speaker wire and wire rope steel cable fasteners. Sold in a set of 4. Requires SP-0300, Circle Cut In 70V Loudspeaker

70V Slanted, Square, Wall Mount Speaker

QTY - 02



8" O.D., dual cone loudspeaker and a 5W, 25/70V transformer mounted on a square, screw mount, steel baffle with a slanted, steel, open back, surface mount enclosure with a white, powder coat finish.

8" 2-way 70V Outdoor/Indoor Speaker

QTY - 04



The weather-resistant outdoor speaker is best suited for a wide variety of outdoor applications. This speaker is designed to work with 8 ohm or 70/100 volt amplifiers with a wide variety of transformer settings for the desired sound level requirement. All speakers are equipped with powder-coated aluminum mounting brackets that allow for vertical or horizontal mounting.

PRICING PROPOSAL



Pricing Valid for 90 Days - November 12, 2025

Mercer Co School District - Mercer ES

Classroom Equipment, EPIC System School Equipment, \$335,766.54
InfoView Equipment, Services, Software Licensing & Training

	Discount	(\$35,348.78)
	Taxes	\$0.00
	Shipping	\$8,987.40
Mercer Co School District Price		\$309,405.16

By sending in a Purchase Order in response to this proposal, the customer is agreeing to the Audio Enhancement terms and conditions which can be viewed at Audioenhancement.com/terms.

Audio Enhancement will invoice equipment at the time of shipment with payment due within terms. Services completed by Audio Enhancement will be invoiced upon substantial completion with payment due within terms.

If there are any questions about this process, please reach out to our Receivables Team – receivables@audioenhancement.com

*****Audio Enhancement will not be responsible for removal of existing equipment and cabling.*****

DETAILED BILL OF MATERIALS



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BoM 1

Part#	Product Name	Qty
	Category : Classroom Equipment	
	System : Optimum System with Programming	
CK-4010	Wiring Bundle for Sentinel Amplifiers	36
ST-PA-8010.P	Interactive Touch Controller Bundle with Programming	36
AM-3250.P	MS-700 Network Amp with Integrated XD Receiver with Programming	36
ST-XD-9061	XD Teacher Box with Teacher Pendant and Student Handheld Microphone (2024)	36
	System : (MS-775) 2-Way SAFE Extender System with Programming	
PA-0086	Outdoor Enclosure for MS Devices	3
AM-3253.P	MS-775 Network Interface for SAFE Alert Extender with Programming (Requires PoE+)	3
	Miscellaneous	
ST-SP-0001	CS-12 Ceiling Speaker, Circle Cut In, Plenum Rated, Set of 4	35
ST-SP-9102	CS-12 Ceiling Speaker, Circle Cut In, Plenum Rated, Set of 2	1
	Category : EPIC System School Equipment	
	System : BOM ONLY EPIC Head End System	
PA-0095.P	EPIC Grandstream Enterprise Phone with Programming	1
EP-0020.P	EPIC Kiosk with Programming	1
ST-EP-0001.P	EPIC Appliance 1U Rackmount with Programming	1
EP-0105.P	CLAUDIA, EPIC Front Office Media Player with Programming (Requires AC Power)	1
PA-0011	2U Vented Utility Shelf for EPIC Appliance	1
PA-0024	Smart-UPS 1000VA LCD 2U 120V Battery Backup For EPIC Appliance	1
PA-0045	UPS 425VA 6-Outlet 120V for use with EPIC Kiosk	1
	System : CZA-1300 Amplifier	
ST-AM-1028.P	EPIC Common Zone Amplifier with Network Interface 1 X 300W 70V, 1U with Programming	9
SP-0300	70V Ceiling Speaker, Circle Cut In	71
SP-1036	Low Profile Speaker	8

DETAILED BILL OF MATERIALS



Quote **107274**

Part#	Product Name	Qty
ST-SP-9351	Pendant Shroud Bundle , Set of 4 (Requires SP-0300)	1
SP-1028	70V Slanted, Square, Wall Mount Speaker	2
SP-1098	8" 2-way 70V Outdoor/Indoor Speaker	4
SP-1046	Outdoor Paging Horn with Grille, White	17
SP-1042	Outdoor Stainless Steel Recessed Speaker Enclosure	17
AC-0147	Spool Cat6A, Plenum Rated	4000
SP-0306	Sheetrock Trim Ring for SP-0300 AE 70 volt Ceiling Speaker	4
	Category : InfoView Equipment	
	System : Single Sided InfoView Display w/ Enclosure	
PA-0233	Clock Guard Dynamic Displays for InfoView Clocks	3
ST-EP-0131	InfoView Display with Wall Mount (Requires PoE+)	3
	System : Hallway Double Sided - Wall, Visual Messaging Display	
ST-EP-0231	Double-sided InfoView Display with Wall Mount (Requires PoE+)	6
	Category : Services	
	System : BOM ONLY EPIC Head End System	
SE-1002	EPIC Custom Map Development Services	1
SE-1043	EPIC System Third Party System Integration	1
SE-1005	Programming Fee	1
SE-1043	EPIC System Third Party System Integration	2
SE-0002	Installation Labor Per Hour	135
SE-0012	Lift Rental	1
SE-0067	Processing and Administration	100
SE-0039	Installation of Cat6 Network Drop	18
SE-0071	Construction - Design and Engineering Services	1
SE-0072	Construction - CAD Services	1
TX-0005	Final Testing and Configuration	1
	Category : Software Licensing	
	System : BOM ONLY EPIC Head End System	
EP-0009	EPIC System Platform License	1

DETAILED BILL OF MATERIALS



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Part#	Product Name	Qty
EP-0010	SAFE System License	1
EP-0022	EPIC System Intercom Paging & Bells License (Requires EP-0009)	1
EP-0034	EPIC Phone Integration License	1
EP-0032	InfoView Visual Messaging and Clock License (Requires EP-0009)	1
	Category : Training	
	System : BOM ONLY EPIC Head End System	
EP-0035	EPIC Administrator Training	1
EP-0019	EPIC Experience Training	1
SE-0074	Construction - Owner Training	1

Any equipment not explicitly listed within this quote is excluded from the scope of this proposal. If any additional equipment is required or changes to the listed equipment are necessary, they may be subject to a cost adjustment. Please note that any requests for additional or altered equipment beyond what is specified in this quote may increase the final project cost.

Below is a list of additional specific exclusions:

1. UTP cabling from equipment to owner network switch

2. Junction Boxes, Raceways and Conduit

3. Pro Audio Systems

These exclusions are provided for clarity and to avoid misunderstandings regarding the scope of work and project costs.

DETAILED BILL OF MATERIALS

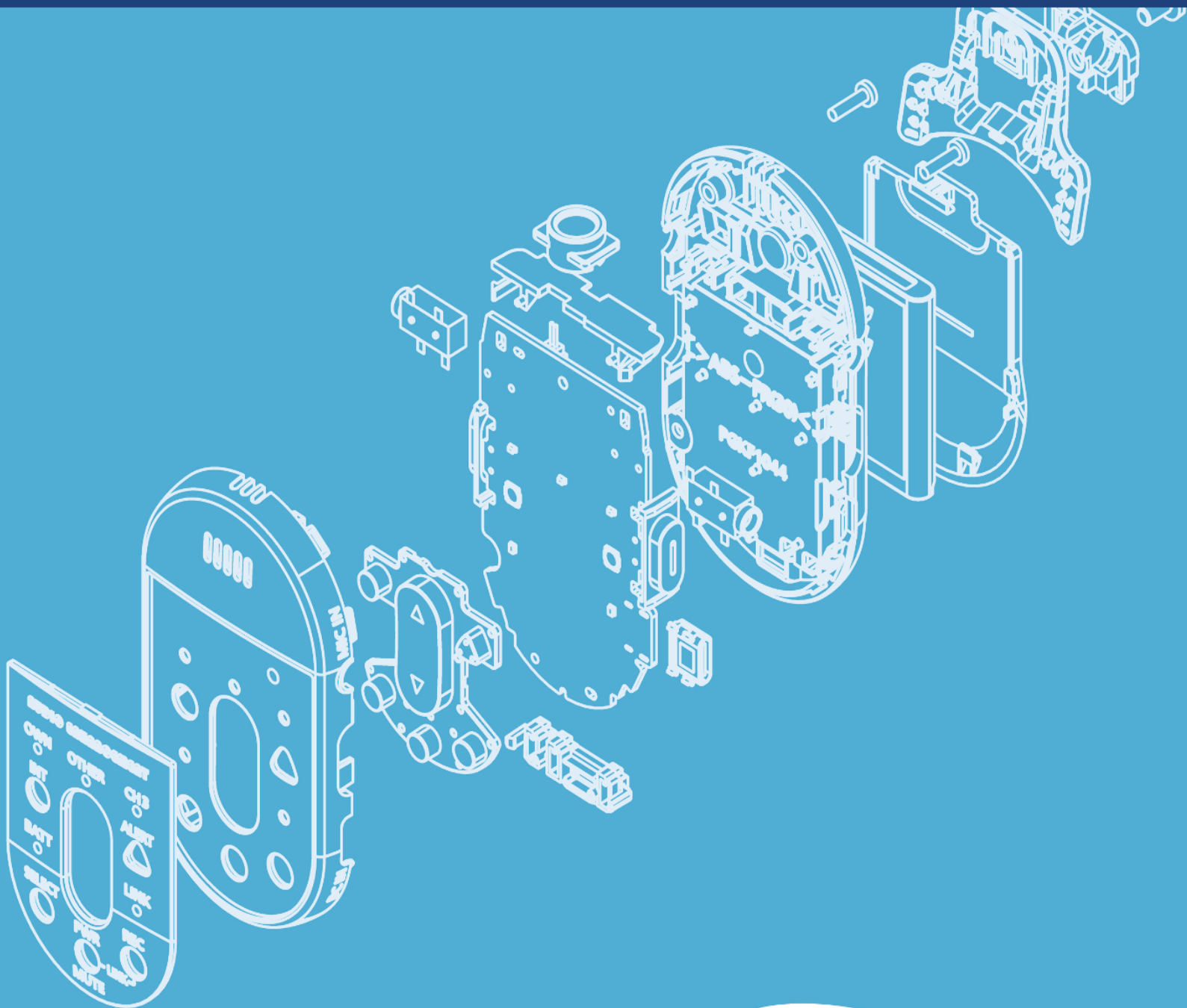


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Additional BOM Items

Part#	Product Name	Qty
	Category : Classroom Equipment	
AC-0028	CAT6 Cable, Plenum, Blue 23AWG	4000
	Category : EPIC System School Equipment	
AC-0004	18/2 Spooled Speaker Wire Plenum Rated Per Foot, White	7000
	Category : Services	
SE-0037	Installation of 2-Way Intercom System	3
SE-0038	Installation of Common Zone Amplifier	9
SE-0025	Travel Services	1
SE-0083.	Install Supply Kit	72
SE-0078	Installation of Double Display	6
SE-0077	Installation of Single Display	3
SE-0073	Project Management Services	58
SE-1068	Installation of 70V Equipment	98
SE-0032	Inspection & Commissioning	58
SE-0080	Installation of Kiosk	1
SE-0081	Installation of Wallplate	36
SE-1072	Installation of 70V Wall Speaker/Equipment	4
SE-0035	Installation of Audio System	36

PRODUCT SPECIFICATIONS



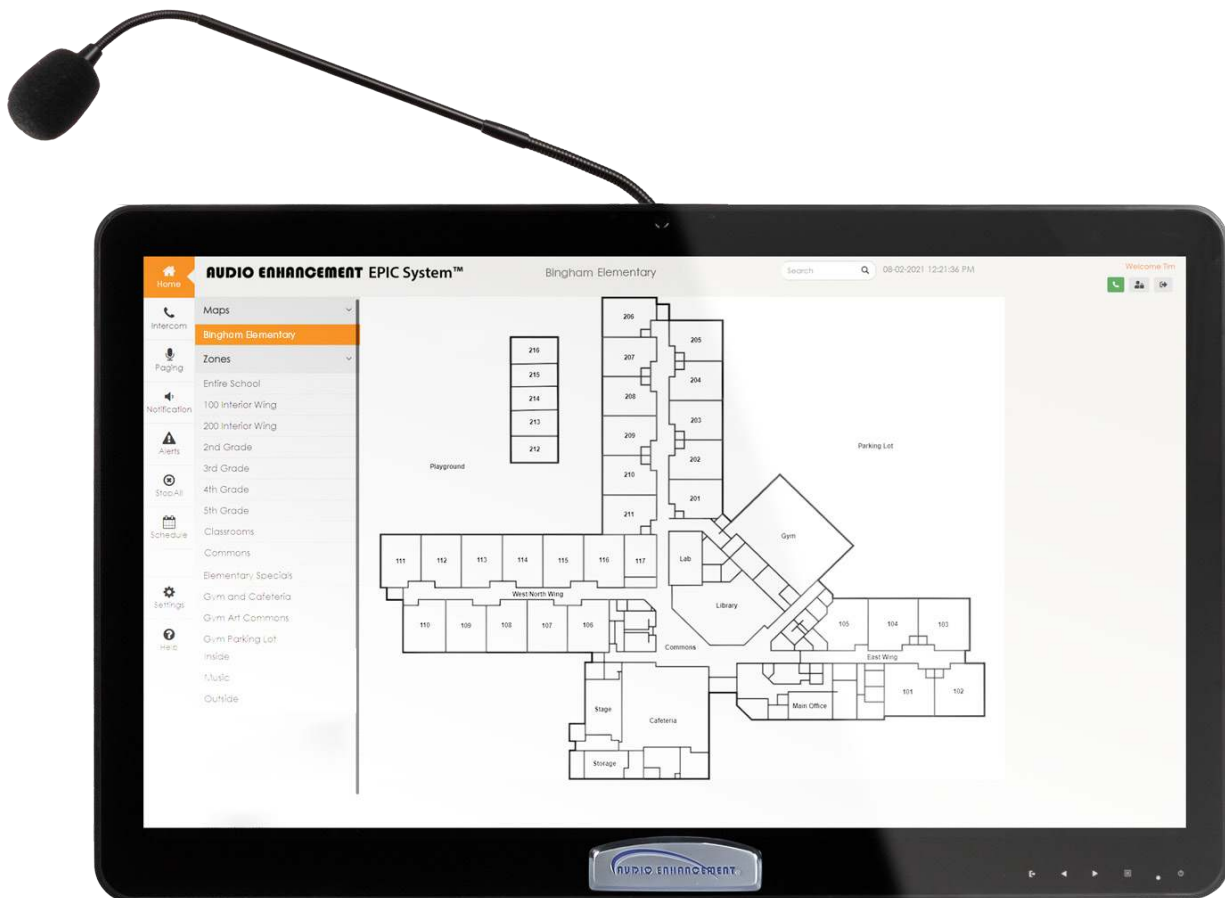
AUDIO ENHANCEMENT +
Est. 1978

EPIC KIOSK

SPEC SHEET



The **EPIC System Kiosk** is a compact computing device specifically designed to power the front-end interactions of EPIC (Education Paging and Intercom Communications) System®. The Kiosk features a 24" (23.6" viewable) full HD multi-touch display. The EPIC System Kiosk also includes a paging microphone that provides crystal-clear audio, ensuring important messages will be heard clearly by their intended recipients.



SPECIFICATIONS

EPIC SYSTEM KIOSK	
CPU Processor Type	Rockchip® RK3288W Cortex-A17 Quad-Core
Ports	(1) 3.5 mm Audio In, (1) 3.5 mm Audio Out, (1) HDMI In, (1) HDMI Out, (1) RJ45-Ethernet, (4) USB 2.0, (1) DC Power (12V/4A)
Networking	RJ45 Ethernet / WIFI - 802.11a/b/g/n/ac
Memory	2GB DDR3
Storage	16GB EMMC
Size	Display - 24 in (609.60 mm) Viewable Area - 23.6 in (599.40 mm)
Panel Type	IPS
Resolution	1920x1080
Static Contrast Ratio	3000:1
Brightness	250 cd/m2
Response Time (Typical GTG)	16 ms
Panel Surface	Anti-glare, Hard coating 3H
Touch Technology	Capacitive
Internal Speakers	(2) 2.50 W
Power Consumption	(Typical): 16 W (Max): 40 W
Voltage	AC 100-240V (universal), 50-60 Hz
Viewing Angles	178° horizontal, 178° vertical
Capsule Type	Uni-Directional Cardioid Microphone / Electret condenser
Sensitivity	-42dB + 3dB (0 dB = 1 V/microbar, 1K Hz indicated by open circuit)
Regulations	cTUVus, FCC-B(including ICES003), FCC-ID, CA IC
Frequency response and output impedance	70Hz to 16K Hz / 600ohm + 30% (at 1K Hz) (RL=680 ohm)
Microphone Connector	(Male) 3.5 mm Stereo plug
Goosenect Length	19 in (482.60 mm)
VESA Compatible Mount	3.93 x 3.93 in (100 mm x 100 mm) / Screw Size: M4
Weight	Net 12.70 lbs. (203.20 oz) / Gross 16.70 lbs (267.20 oz)
Packaging Dimensions	25 (H) x 17.10 (W) x 4.90 (D) in (643 x 435 x 140 mm)
Kiosk Dimensions	22.60 (H) x 13.90 (W) x 1.90 (D) in (572.90 x 351.80 x 47 mm)

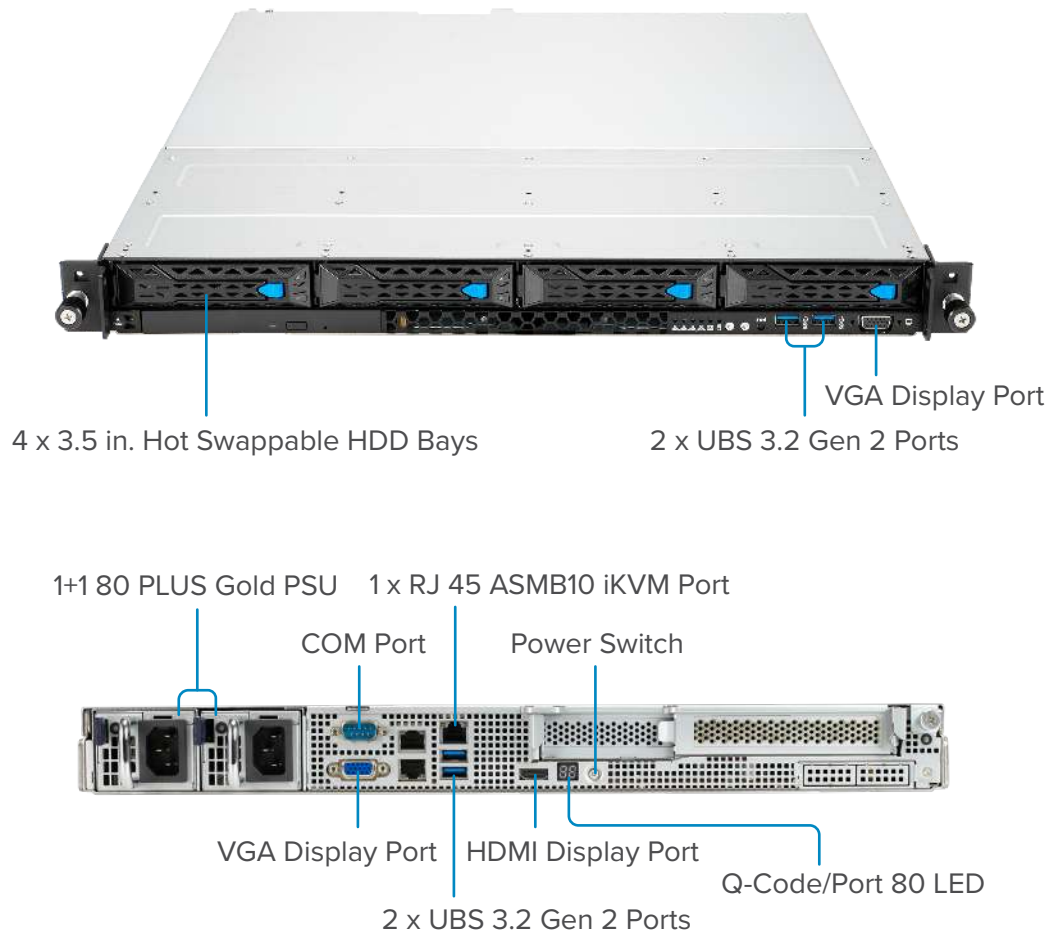
Audio Enhancement products are RoHS and UL compliant. Kiosk Specifications
 *EPIC System Kiosk Paging Microphone is not UL Listed

EPIC HEAD END SERVER

SPEC SHEET



EPIC System (Education Paging & Intercom Communications)® is a foundational solution built specifically for Education. EPIC System provides an inside look into campuses leveraging an interactive platform accessible via a web browser and mobile app. The **EPIC Head End Server** is a fully integrated device specifically designed to keep all the functions of EPIC System running smoothly.



SPECIFICATIONS

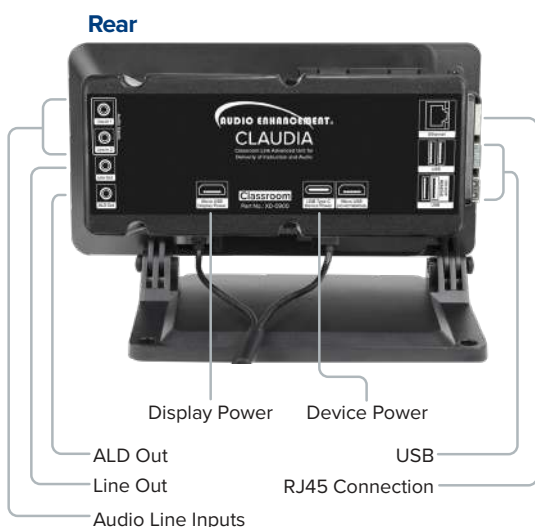
EPIC HEAD END SERVER	
Processor Support	1 x Socket LGA 1200 Intel® Xeon® E processors (up to 95W) Intel® Pentium™ processors
Core Logic	Intel® C252 PCH
Memory	Total Slots 4 (2 channel) Capacity Maximum up to 128GB Memory Type DDR4 3200/2933/2666 ECC and non ECC UDIMM Memory Size 32GB, 16GB, 8GB, 4GB (UDIMM)
Expansion Slots	Total PCI/PCIX/PCI E/PIKE Slots (3) Slot Type 1 x PCI E x 16 (Gen4 x16 Link, switch to x8 link when slot B occupied), FH/HL 1 x PCI E x 8 (Gen4 x8 Link), HH/HL 1 x PCI E x 8 (Gen3 x4 Link), Proprietary R/A slot (optional for Intel X710 10G LAN card)
Disk Controller	SATA Controller Intel® C252 Chipset 6 x SATA3 6Gb/s ports Intel®VROC (For Linux/ Windows) (Support Software RAID 0/1/5/10) SAS Controller ASUS PIKE II 3008 8i 8 port SAS 12G RAID card ASUS PIKE II 3108 8i 8 port SAS 12G HW RAID card
Storage Bays	4 x 3.5"/2.5" Hot Swap HDD Bays, up to (2*SATA/SAS/ NVMe + 2*SATA/
Networking	2 x Intel® I210 AT + 1 x Mgmt LAN
Graphic	Aspeed AST2600 with 64MB VRAM
I/O Ports	Rear I/O Ports 2 x USB 3.2 Gen 2 ports 1 x VGA port * 1 x HDMI port from CPU 1 x COM port 2 x RJ 45 ports 1 x RJ 45 ports (One for ASMB10 iKVM)(Optional) Front I/O Ports 1 x VGA port* 2 x USB 3.2 Gen1 ports *Must support by ASMB10
Power Supply	Single 350W 80 PLUS Gold PSU (RS300-E11-PS4) 1+1 450W 80 PLUS PLATINUM RPSU (RS300-E11-RS4)

EPIC HEAD END SERVER (CONTINUED)	
Switch/LED	Rear Switch/LED: 1 x Q-Code/Port 80 LED 1 x Power switch Front Switch/LED: 1 x Power switch/LED 1x Location switch/LED 1 x Reset switch 1 x HDD Access LED 1 x Message LED LAN 1-2 LED
Environment	Operation temperature: 10°C~ 35°C Non operation temperature: -40°C~ 70°C Non operation humidity: 20% ~ 90% (Non condensing)
Weight	22.70 lbs. (363.32 oz)
Dimensions	1.73 (H) x 17.3 (W) x 19.57 (D) in. (497 x 439.5 x 44 mm)

Classroom CLAUDIA



Front



Front Office CLAUDIA



Front



CLAUDIA in your Classroom

CLAUDIA provides connectivity and control of the local sound system from an easy to use touchscreen interface right at the teacher's desk. The teacher can connect their computer through the integrated audio input. Additionally, it provides simple integration for use with teleconference services such as Zoom, Google Meets™, and other platforms used for remote learning. Optional features such as SAFE (Signal Alert For Education) System® alerts and VIEWpath® (Video Interactive Education Window) recordings can be activated directly from the 7" touchscreen interface.

CLAUDIA in your Front Office

CLAUDIA in your front office provides an easy interface for streaming music to designated parts of your campus through EPIC System. CLAUDIA will allow music to be played from a local device connected directly. CLAUDIA will also store 200+ songs directly on the device which can be played directly from the 7" touchscreen interface.



Features

- Wireless connectivity to your installed XD Classroom Audio System provides 2-way audio between CLAUDIA and the installed XD Classroom Audio System
- Audio sources such as the teacher's computer, large front of classroom display, or tablet device can be integrated wirelessly between CLAUDIA and the installed XD Classroom Audio System
- 7" Touchscreen display provides for an easy user interface to manage all functions of CLAUDIA
- Web Interface: Through the web interface, the broadcast name of the CLAUDIA system can be customized to more easily manage to which unit a teacher's device is connected
- Multiple Inputs/Outputs: CLAUDIA provides 2 line level inputs and outputs ensuring that both educational functions and assistive listening applications can be accommodated at the same time

CLAUDIA Specifications*

Power Supply	USB-C Power Supply (Included) 5.1 Volt 3.5 Amp 5ft Power Cable (18 AWG) UL Listed
Touchscreen	7" Capacitive touch display Resolution: 800 x 480 Full Color Display Size: • Physical Screen Size: 4.33 (H) x 7.63 (W) x 0.78 (D) in. (110 x 194 x 20 mm) • Viewable Screen Size: 3.38 (H) x 6.10 (W) (86 x 155 mm)
System Specifications	
Processor	Broadcom BCM2711, quad-core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5GHz
Memory	2GB
Connectivity	2.4 GHz and 5.0 GHz IEEE 802.11b/g/n/ac wireless Gigabit Ethernet 2 x USB 3.0 ports 2 x USB 2.0 ports
Environment	Operating temperature 32–120°F (0–50°C)
Audio Input	2 X 3.5mm Line Level Inputs with independent volume control
Audio Output	2 x 3.5mm Line Level Outputs with independent volume control
Wireless Transceiver	XD Technology 1.9 GHz DECT Based Wireless Transceiver (Classroom version only)
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%
Weight	1.5 lbs (0.68 kg)
Dimensions	5.50 (H) x 8.75 (W) x 4.125 (D) in. (Fully Upright) (139.7 x 222.25 x 104.78 mm)

* All specifications subject to change.





2U Shelf, 15" Deep, Vented

UPC 716408537627

MODEL GRW-SHELFVNT2



COLOR	Black
WEIGHT	2.5 lbs
HINGES	-
WHEELS	-
ATA ACCEPTED	-
LOCKABLE	No
HANDLES	-
LATCHES	-
WATER RESISTANCE	-

Interior Dimensions

Length	14.94"
Width	17.44"
Height	3.4"

Exterior Dimensions

Exterior Length	15"
Exterior Width	19"
Exterior Height	3.46"

Shipping Dimensions

Exterior Length:	23.8"
Exterior Width:	21.3"
Exterior Height:	16.9"
Weight:	9.0 lbs

FEATURES

- ▶ Cold Rolled 16 Gauge Steel Construction
- ▶ Black Powder Coated Finish
- ▶ Rear Flanged for Rigidity
- ▶ Elongated Vent Holes for Optimum Air Circulation
- ▶ Max Weight Capacity: 66 lbs./30 kg

Share:



BE425M

Average Customer Review 5

36 of 36 (100%) reviewers would recommend this product to a friend.

[Read all reviews](#) | [Write a review](#)

Share this Product:



Description: Battery Backup & Surge Protector for Electronics and Computers
Includes : User Manual

Product Overview

Technical Specifications

Documentation

Options

Ratings & Reviews

Output

[Print Technical Specification](#)

Output power capacity	255Watts / 425VA
Max Configurable Power (Watts)	255Watts / 425VA
Nominal Output Voltage	120V
Output Frequency (sync to mains)	50/60Hz +/- 3 Hz
Topology	Standby
Waveform type	Square wave
Output Connections (4) NEMA 5-15R (Battery Backup) (2) NEMA 5-15R (selector_surgetitle)	
Transfer Time	6ms typical : 10ms maximum

Input

Nominal Input Voltage	120V
Input frequency	50/60 Hz +/- 3 Hz (auto sensing)
Input Connections	NEMA 5-15P
Cord Length	5ft (1.52meters)
Input voltage range for main operations	88 - 139V
Number of Power Cords	1
Maximum Input Current	5.0A

Batteries & Runtime

Battery type	Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof	
Typical recharge time	8hour(s)	
Expected Battery Life (years)	3 - 5	
Runtime	View Runtime Graph	View Runtime Chart
Efficiency	View Efficiency Graph	

Communications & Management

Control panel	LED Status display with On Line : On Battery
Audible Alarm	Alarm when on battery : distinctive low battery alarm

Surge Protection and Filtering

Surge energy rating	180Joules
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Physical

Maximum Height	5.52inches (140mm , 14.02CM)
Maximum Width	9.98inches (253mm , 25.35CM)
Maximum Depth	4.13inches (105mm , 10.5CM)
Net Weight	5.73lbs. (2.6KG)
Shipping weight	6.61lbs. (3.0KG)
Shipping Height	8.66inches (220mm , 22.0CM)

Shipping Width	12.4inches (315mm , 31.5CM)
Shipping Depth	5.51inches (140mm , 14.0CM)
Color	Black
Master Carton Units	2.0
Master Carton Weight	14.33lbs. (6.5)
Units per Pallet	96.0
SCC Codes	1073130432934 0

Environmental

Operating Temperature	32 - 104 °F (0 - 40 °C)
Operating Relative Humidity	0 - 95 %
Operating Elevation	0-10000ft (0-3000meters)
Storage Temperature	-20 - 50 °C
Storage Relative Humidity	0 - 95 %
Storage Elevation	0-50000ft (0-15000meters)
Audible noise at 1 meter from surface of unit	40.0dBA

Conformance

Approvals	California (CEC) Battery Charger, cTUVus, ENERGY STAR V1.0 (USA), FCC Part 15 Class B
Equipment protection policy	Lifetime : \$75000
Standard warranty	3 years repair or replace

Sustainable Offer Status

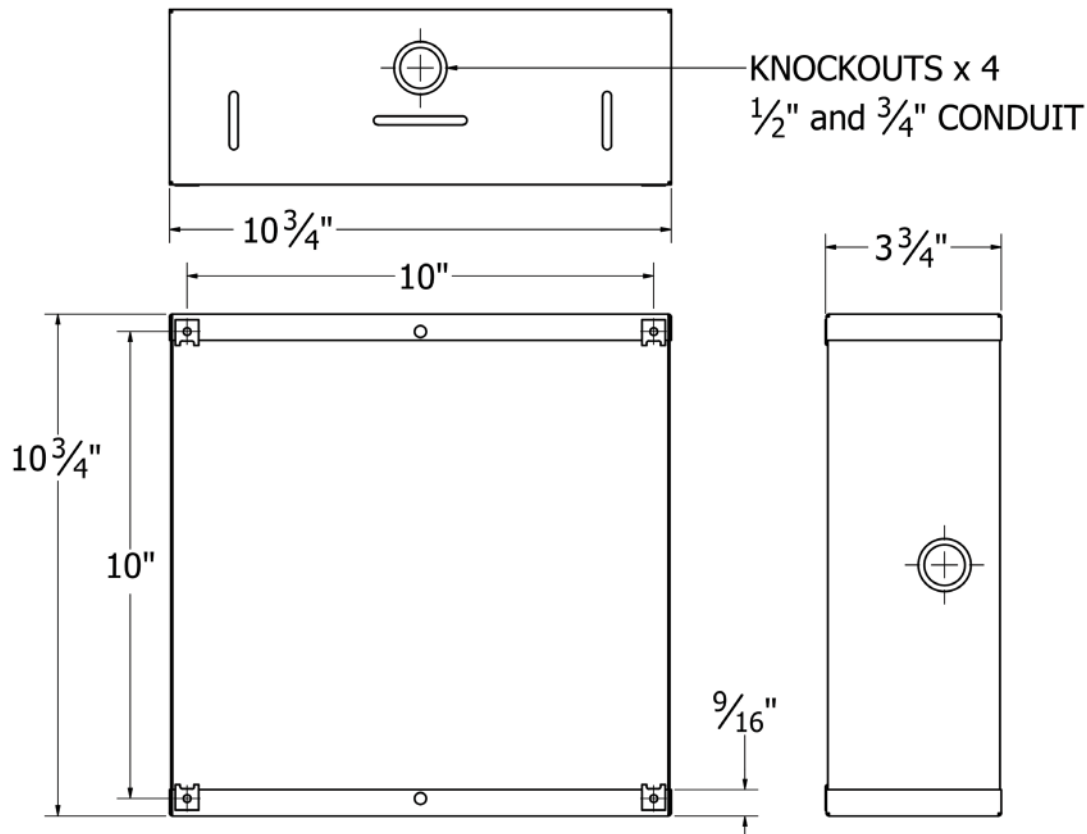
RoHS	Compliant
REACH	REACH: Contains No SVHCs

Quam ES-8S

The ES-8S is a 3 3/4" deep, 430 CID, square, recessed mount, stainless steel back box with an acoustic foam liner and a white, powder coat finish.



APPLICATION	Intended Use: Installation:	Indoor or outdoor environment In-wall/recessed
MECHANICAL SPECIFICATIONS	Dimension: Internal Displacement: Baffle Attachment Points: Electrical Access: Finish: Weight:	10 3/4" (H) x 10 3/4" (H) x 3 3/4" (D) 430 cubic inches (CI) Four (4) #8-32 Tinnerman clips Four (4), 1/2" - 3/4" combination conduit knockouts, one per side White powder coat 3.2 lbs.
RECOMMENDED QUAM COMPONENTS	Baffles:	BS8W, BS8WS, BS8VP, BS8VPS





Audio Enhancement's

Upcoming EPIC Experience Training

EPIC Experience training is designed to help school districts get the most out of their EPIC System's intercom, paging, bells and notifications capabilities, back-end administrative event management, SAFE System, and VIEWpath. Participants will learn about device installation, programming, setup, maintenance, and troubleshooting.

Only \$5,400 per attendee: Flights, Lodging, transportation, and meals are included in cost.

EPIC Experience Schedule

Monday	Travel Day
Tuesday	Classroom Audio System devices and connections, EPIC System devices and connections, and labs.
Wednesday	Network and configuration, EPIC Maps and Bells, labs, EPIC roles and permissions, and backups.
Thursday	Notifications, EPIC Events and logs, SAFE alerts, AND Devices & strobes, VIEWpath devices and software, troubleshooting, labs, and resources.
Friday	Travel Day



INTERACTIVE TOUCH CONTROLLER

SPEC SHEET



The **Interactive Touch Controller** is a programmable 3.5" multipurpose wall panel with an interactive display for use with EPIC System™. The ITC is managed via EPIC, allowing for quick adjustments in a classroom to accommodate the ever-changing campus environment. The digital interface allows educators to initiate intercom, link XD Microphones, send SAFE Alerts, and other customizable functions. Educators can send various levels of alerts. During a lockdown, teachers can interact with ITC to inform the administration that they have secured their classrooms.



SPECIFICATIONS

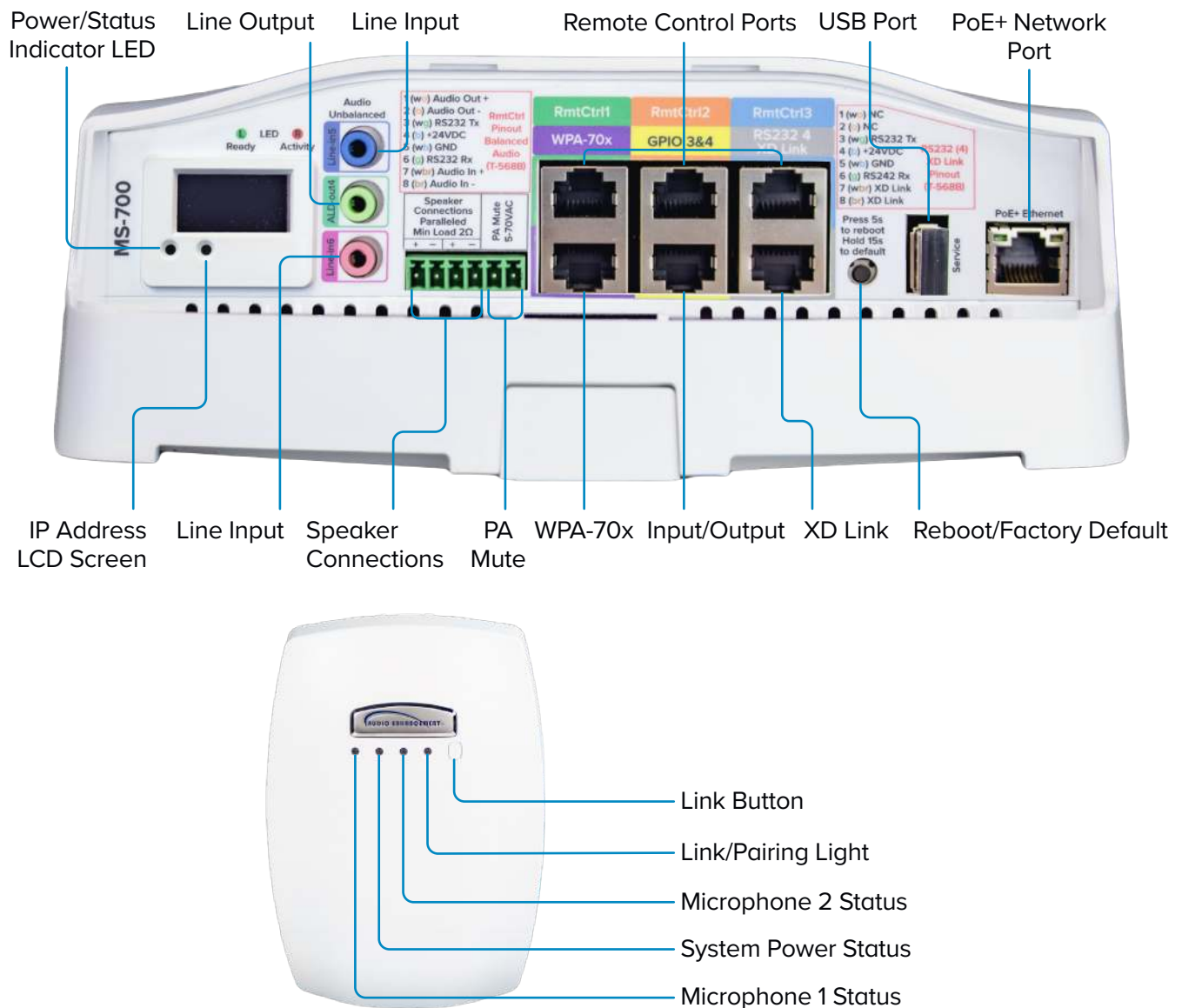
INTERACTIVE TOUCH CONTROLLER	
Communications	RS-232 control through amp
Mounting	Low voltage mounting bracket or 2-gang wall box
Display	3.5" Full-color touch display
Color	White
Terminations	RJ45 (RS-232 & 24V DC)
Power	24V DC
Weight	0.40 lbs (6.40 oz)
Dimensions	4.50 (H) x 4.50 (W) x 1.25 (D) in. (114.3 x 114.3 x 31.75 mm)

MS-700 OPTIMUM AMPLIFIER

SPEC SHEET



The **MS-700 Optimum Amplifier** is a fully integrated networked classroom amplifier and wireless microphone receiver. This amplifier has network-based intercom, paging and emergency notification, and provides full-duplex audio. It is easy-to-use, easy-to-install, and has simple user interface software. The entire unit utilizes Power over Ethernet (PoE+). Intercom and paging functionalities⁺ are built-in. When used in conjunction with an Uninterruptable Power Supply (UPS), during emergencies, paging can still be heard, even when the power goes out. This unit can be installed as part of the SAFE System (Signal Alert For Education)[®].



SPECIFICATIONS

MS-700 OPTIMUM AMPLIFIER WITH INTEGRATED XD RECEIVER	
Line Inputs	For PC, DVD audio, MP3, auxiliary mic, or other multimedia sources • (2) Line unbalanced stereo inputs (3.5 mm) • (3) Remote control ports with audio in • Internal Network Audio • Integrated XD Microphone Receiver
Line Outputs	(1) Unbalanced (3.5 mm) output (3) Remote control ports with audio out (RJ45 connectors)
Equalizer	5-Band Equalizer
USB A Connector	Control and configuration via BLE App
Minimum Load Impedance	4 Ohms on each pair of terminals (2 Ohm load overall is nominal)
Amplifier Type	92% Efficient Class D
Continuous Power @ 1% THD	30W 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: 4V RMS to 74V RMS
Control Ports	(3) RJ45 remote control ports • Integration with LCD wall plate control • Input/output (I/O) aux port for sense, strobe, etc. (1) WPA-70 wall plate port for Intercom call, emergency alert, room microphone (1) Input/output port
Power Supply	PoE + 802.3af/at [‡]
Temperature/Humidity	Storage: -40 - 158° F (-40 - +70° C) / 10-90% non-condensing Operating: -32 - 122° F (0 - +50° C) / 10-90%
Enclosure Type	ABS Plastic
Ethernet I/F	10/100 Mbps
Power Input (Network)	PoE 802.3af/at [‡]
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	2.15 lbs (40 oz)
Dimensions	12.20 (H) x 8.70 (W) x 3.00 (D) in (310 x 221 x 76 mm)

[†] Dependent on PoE switch.

[‡]Third party SIP License required.

The SAFE 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.

LIMITED WARRANTY



Audio Enhancement® is pleased to offer a limited manufacturer’s warranty (“Limited Warranty”) in which Audio Enhancement warrants that the product will be free from defects in materials and workmanship under normal use. The warranty duration depends on the product as defined by the table included with this document. The limited warranty applies only if the products are installed according to the manufacturer’s instructions, by an Audio Enhancement certified installer where specified, and there is no evidence of misuse, abuse, mishandling, neglect, unauthorized modification, or repair.

WARRANTY LENGTH	EQUIPMENT COVERED
7 Years	MS-700, MS-720, MS-775, XD Teacher Microphone (STM-24), XD Student Microphone (SHH-24), XD Receiver (SRC-24), Ceiling Speaker, Wall Speaker, and 70 V Speakers
5 Years	XD Solo®, BEAM, EPIC System Hard Drives, and EPIC Head End Appliance
3 Years	Educam360® (All Variants), EduCamPTZ (All Variants), Interactive Touch Controller (ITC), InfoView Displays, EPIC System Kiosk, and EPIC Kiosk Microphone
1 Year	Uninterrupted Power Supply (UPS), Adaptors, Mic360®, and Lithium-ion Batteries (supplied by Audio Enhancement®)
Other Manufacturers	Any product that is not specifically mentioned in one of the other categories. Products supplied as part of a system that are from other manufacturers carry their manufacturers warranty, or the Audio Enhancement one year warranty, whichever is greater.

SAFE System® (Signal Alert For Education—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.

TECHNICAL SUPPORT

Audio Enhancement® Technical Support Representatives are available to assist by phone, chat, and email. With offices in West Jordan, Utah; Apopka, Florida; and Alpharetta, Georgia, we offer additional regional resources to ensure our customers have all the support to meet their needs.

Contact Support

Hours - Monday - Friday, 7:00 AM - 8:00 PM EST

Phone - 800.932.3578

Email - Support@AudioEnhancement.com

Chat and RMA - www.AudioEnhancement.com/Support/

Additional Support

Training Website - Training.AudioEnhancement.com

YouTube - [YouTube.com/user/AudioEnhancementInc](https://www.youtube.com/user/AudioEnhancementInc)

Support Levels

Level 1 - Support for basic audio systems. Tickets are created when a phone call is made, RMA is submitted, or an email is sent to support. Level 1 support services include troubleshooting with microphones, batteries, cabling, volume levels, information requests, and basic EPIC troubleshooting and setup.

Level 2 - When a higher level of support is required, tickets are escalated to Level 2 support. This type of support includes advanced audio troubleshooting. Enhanced EPIC support including device configuration, SIP integration, LDAF integration, and configuration of VIEWPath and VIEWPath Live.

Level 3 - Final escalations are handled by Audio Enhancement engineers and developers with 10+ years of experience.

Additional Support Personnel

Audio Enhancement is headquartered in West Jordan, Utah with two offices in Apopka, Florida and Alpharetta, Georgia. Between our three offices and field services reps across the country, Audio Enhancement can provide additional onsite support when needed.

STATEMENT OF FEATURES



Project Information

Project Summary *

KY, Mercer Co School District, Mercer ES v8

Request design team to design your school? *

No

Would you like Design to Review your project after it has been designed?

No

Will this project be using a Contract? *

No

Will Audio Enhancement be Installing? *

Yes

Does this project utilize Davis Bacon rates or Prevailing Wage?

No

Site Status at Any Point During Implementation *

New construction

Are there any drawings or specifications we are required to meet for this project? *

No

Are we reusing existing intercom speakers?

No

Will Audio Enhancement be Commissioning?

Yes