

SOUTH WESTERN SCHOOL DISTRICT

SPECIFICATIONS

FOR

TECHNOLOGY EQUIPMENT

**225 Bowman Road
Hanover, PA 17331**

SOUTH WESTERN SCHOOL DISTRICT
225 Bowman Road
Hanover, PA 17331
February 9, 2023

INVITATION TO BID

The South Western School District invites sealed bids for supplying **TECHNOLOGY EQUIPMENT**. Bids will be received until **2:00 PM** prevailing time on **Wednesday, March 8, 2023**, in the South Western School District Administrative Office, (same address) at which time and place they will be publicly opened and read.

No bidder may withdraw their bid for a period of ninety (90) days after the date of opening of bids.

The Board reserves the right to reject any or all bids and to waive, at its discretion, any irregularities, mistakes, omissions or informalities relative thereto.

Bid requirements and specifications may be obtained from the South Western School District Business Office at the above address or by calling (717) 632-2500 x20110.

SOUTH WESTERN SCHOOL DISTRICT

Jeffrey A. Mummert
Business Administrator/Board Secretary

SOUTH WESTERN SCHOOL DISTRICT

SPECIFICATIONS FOR TECHNOLOGY EQUIPMENT

February 9, 2023

The Board of School Directors of the South Western School District (the “School District” or “Owner”) invites sealed bids on the general category noted above and specific items and/or services detailed in the attached documents. General bid conditions are listed below. It is the responsibility of each bidder to read and be aware of the conditions for bidding.

These specifications outline general conditions for bidding. Some specification items may not be applicable to a specific bid. If you are uncertain if a specification item applies, please contact Mr. Jeffrey A. Mummert, Business Administrator (717-632-2500 x20100) for clarification prior to submitting a bid.

A. GENERAL REQUIREMENTS

1. **Advertisement:** The South Western School District will accept sealed bids for the purpose of purchasing Technology Equipment until **2:00 PM prevailing time, Wednesday, March 8, 2023**, at which time they will be publicly opened and read. Bidding documents, including instructions, specifications, bid forms and information can be obtained by contacting Mr. Jeffrey A. Mummert, Business Administrator/Board Secretary, 225 Bowman Road, Hanover, PA 17331. Bids must be clearly marked “**TECHNOLOGY EQUIPMENT BID**”, identify the bidder, and be forwarded in a sealed envelope to Mr. Jeffrey A. Mummert, Business Administrator/Board Secretary, at the same address.
2. **Bid Delivery:** Bids may be delivered to the School District in person, via U.S. mail, or overnight carrier. **Bids may also be submitted electronically to the following email address: techbid@southwesternsd.org**. Bidders assume all responsibility for timely delivery of bids.
3. **Bid Identification:** All bids must be identified as to the nature of contents in the lower left corner of the envelope, such as “**TECHNOLOGY EQUIPMENT**”.
4. **Bidder’s Response:** All responses must be typewritten or written in ink and must be clearly identified with any changes or conditions noted. The School District reserves the right to reject any bid which contains changes or conditions from the bidding documents.
5. **Signature:** Each bid must be signed in ink by an authorized company representative giving his/her title and date.
6. **Bid Opening:** All bids must be delivered to South Western School District, 225 Bowman Road, Hanover, PA 17331, **prior to 2:00 PM prevailing time, on Wednesday, March 8, 2023**, at which place and time they will be publicly opened and read. A bid tabulation will be prepared by the School District and made available to bidders following the Bid Opening.
7. **Terms:** For the purposes of these specifications, the term “**Vendor**” or “**Contractor**” shall be the successful bidder or company.

8. **Payment:** Payment shall be approved upon receipt of the invoice and all units and service in a condition acceptable to South Western School District at its sole discretion where said payment has been approved by the Board of School Directors at its regularly scheduled monthly meeting.
9. **Reservation:** The Board of School Directors of the South Western School District reserves the right to reject any or all bids or parts of bids and may waive any informalities, technicalities, or irregularities, and to increase or decrease the number of items bid or scope of work with any corresponding increase or decrease in the price.
10. **Right-to-Know:** All bidding information, bid documents and the contract(s) awarded shall be subject to public disclosure upon request in accordance with the Pennsylvania Right-to-Know law, as amended and supplemented from time to time.
11. **Material Safety Data Sheets:** All bid items that require Right-to-Know information must be accompanied by a Material Safety Data Sheet (MSDS) listing all materials considered hazardous under the law. All items awarded must be properly labeled to conform to the Right-to-Know laws by the successful bidder.
12. **Unit Pricing:** Bids on equipment and supplies must show unit and total prices and where the figures are irreconcilable; awards will be made on the basis of the unit prices. Such unit prices will be deemed to include all charges whatsoever and the South Western School District shall not be liable for any additional charges for equipment or supplies other than shown on the bid. **The unit price should be rounded to the nearest cent.**

Bid figures shall include permit fees, inspection fees, and **all charges including inside delivery at the destination** called for in these specifications.

13. **Tax-Exempt:** The South Western School District is exempt from certain Pennsylvania sales tax and Federal taxes. The South Western School District will complete Federal Excise Tax Exemption Certificates when requested and furnished by the vendor. The School District is exempt from certain Pennsylvania State Sales Taxes under exemption number 76-67640-1. Bidder shall review any applicable sales tax exemptions and regulations and shall include or exclude sales tax on items, supplies or equipment in accordance with the same.
14. **Standard of Quality:** The various materials and products specified in the specifications by name or description are given to establish a standard of quality and of cost for bid purposes. Any deviation from these specifications must be documented. It is not the intent to limit the bidder, the bid or the evaluation of the bid to any one material or product specified but rather to describe the minimum standard. When proprietary names are used, they shall be followed by the words "or alternatives of the quality necessary to meet the specifications." A bid containing an alternative, which does not meet the specifications, may be declared non-responsive. If bidders desire to furnish an alternate product, such bid must be accompanied by product specifications and data demonstrating that such product is an equal to the product so specified. The District reserves the right, in its sole discretion, to determine whether the alternate product meets the minimum standard of quality and performance of the product specified. In the event such alternate item is deemed to NOT meet the minimum standard of quality and performance, bidder shall provide the product specified at the same bid price as bidder submitted with its bid.

15. **Bid Security: (Not required for this bid)** All bids shall be accompanied by a Bid Bond or Certified Check drawn to the order of the South Western School District in an amount equal to ten percent (10%) of the amount of the bid as a guarantee that the bidder will execute a formal contract and furnish bonds and proof of insurance (if required) as specified should the bidder be awarded the contract. Failure of bidder to execute the contract, once awarded, and/or to provide required bonds and proof of insurance will result in bidder's certified check or bid bond being declared forfeited as liquidated damages, and not as a penalty, to compensate Owner for any and all costs associated with bidder's default and all obligations of the Owner in connection herewith will be cancelled. Certified checks will be returned to the unsuccessful bidders after the awarding of the contract and after the successful bidder has furnished a Performance and/or Payment bond and proof of insurance.
16. **Delivery Schedule:** Orders will be placed as soon as possible, and **delivered to South Western High School, 200 Bowman Rd, Hanover PA 17331** as stated in the specifications, should be agreed upon with the District, with at least 24 hours prior notice. **The vendor must notify Mr. Doug Greenholt, Director of Technology, at ext. 20103, or Mr. Bernie Noel, Network Systems Specialist. at ext. 20106, so that a District representative can be present when the materials are received.** All prices shall include delivery to the designated building. In the event that any of the said articles shall at once be removed and other articles of quality as set forth in the specifications shall be furnished in place hereof at the expense of the successful bidder.
17. **Non-Collusion Affidavit:** The enclosed Non-Collusion Affidavit must be executed and submitted with the bid document.
18. **Default:** Failure to conform to bid conditions or contract documents or purchase order shall result in the bidder being required to remove said item and repair or replace at no cost to the South Western School District. If bidder does not correct non-conformance within a specified time by South Western School District, the District has the right to remove and/or replace with items or services from the open market and any costs shall be the responsibility of the bidder.
19. **Contact Person(s):** All bidders are **directed to contact Mr. Doug Greenholt, Director of Technology, at (717) 632-2500 x20103** for questions regarding the detailed specifications for the devices. Questions regarding the general bidding requirements should be directed to Mr. Jeff Mummert, Business Administrator/Board Secretary, at (717) 632-2500 x20100.
20. **Liquidated Damages:** If the Laptops, Desktops, Chromebooks, and Laptop Cases are not delivered by the close of business on July 12, 2023, liquidated damages will be imposed at the rate of \$300 per day until the entire order is complete.
21. **Liability:** Vendor will be responsible for any damage to property caused by the Vendor or his agents. Vendor further covenants and agrees to assume and does hereby assume all liability for, and shall and does agree to indemnify and save harmless the School District against any and all loss, costs, suits, claims, charges, or damages, or injuries, torts, or trespasses happening in and about, or in any way incident to, or by reason of the performance of this contract and the performance of said work and labor, including costs, counsel fees, and all expenses of defense.

22. **Bid/Price Dates:** No bidder may withdraw their bid for a period of 90 days after the date set for opening bids.
23. **Samples:** The South Western School District reserves the right to require bidder to ship sample(s) at bidder's expense and to require the bidder to remove sample unit(s) at bidder's expense. The District reserves the right to reject sample(s) as not meeting specifications at its sole discretion.
24. **Number of Units to be Ordered:** 73 laptops-Touchscreen, 51 Desktops, 51 Monitors, 51 CPU Mount for Monitors, 1200 Laptop Cases, 1200 Chromebooks, and 1200 ChromeOS management service, 118 Airtame 2, 118 Airtame Ethernet Adapter, 103 Projectors, 111 Amplifiers, 182 Ceiling speakers, 134 Piggyback Power Extension Cords, 111 3.5mm Audio Cables, and 4 Unshielded Plenum Speaker Wire to be ordered immediately upon South Western School District Board of Directors approval.

NOTICE TO BIDDERS

The South Western School District will receive sealed bids to provide Technology Equipment until **2:00 P.M.** local time **March 8, 2023**. Specifications and bid forms may be obtained at the Administration Office, 225 Bowman Road, Hanover, PA 17331. The Board reserves the right to reject any or all bids and to award a contract, which may be in the best interest of the school district.

Jeffrey A. Mummert, Board Secretary
SOUTH WESTERN SCHOOL DISTRICT

**SOUTH WESTERN SCHOOL DISTRICT
SPECIFICATIONS
TECHNOLOGY EQUIPMENT**

ITEM #1 – Laptop – QUANTITY: 73 (See page 6, Item #24)

- **Minimum specifications based on Dell 5320 2 in 1 Latitude**

Minimum specifications for this model:

- 13.3" FHD (1920 x 1080) IPS Anti-glare multi-touch
- Intel® Core™ i5-1145G7 Processor (2.60GHz, 8MB Cache) 16GB RAM
- 256GB SSD
- Intel® Iris® Xe graphics for I5-1135G7 processor with Thunderbolt and 8 GB memory
- Intel Wi-Fi 6 AX201 2x2 .11ax 160MHz + Bluetooth 5.2
- Windows 11 Professional 64-Bit
- Battery: 6-cell 86 Wh or higher
- Webcam
- Backlit Keyboard
- Warranty: 3YR Depot Warranty

ITEM #2 – Desktop – QUANTITY: 51 (See page 6, Item #24)

- **Minimum specifications based Dell Optiplex 3080 micro**

Minimum specifications for this model:

- Processor: Intel Core i5-12500T
- RAM: 16GB RAM
- Drive: 256 SSD
- Intel Wi-Fi-6E 2x2 AX210 Bluetooth 5.2 Wireless Card with Internal Antenna
- Graphics: Intel Gen 12 integrated graphics
- OS: Windows 11 Professional 64-Bit
- One onboard gigabit ethernet. Intel I219LM
- Front Ports: 1. Power Button 2. Universal Audio Jack 3. USB 3.2 Gen 1 Type A (2)
- Back Ports: 4. Knock-out Slots for Wireless Antenna 5. HDMI 2.0b/Displayport 1.4a (HBR3)/VGA/PS2/serial (optional) 6. USB 2.0 with PowerShare 7. Padlock 8. Ethernet RJ-45 9. USB 2.0 10. USB 3.2 Gen 1 Type A (2) 11. HDMI 1.4b 12. Display Port 1.4 13. Power Connector
- Warranty: 3YR Depot Warranty

ITEM #3 – Monitor – QUANTITY: 51 (See page 6, Item #24)

- **Minimum specifications based Dell 22 Monitor E2222H**

Minimum specifications for this model:

- Display Type: LED-backlit LCD monitor / TFT active matrix
- Diagonal Size: 21.45”
- Aspect Ratio: 16:9
- Native Resolution: Full HD (1080p) 1920 x 1080 at 60 Hz

ITEM #4 – CPU Mount for Monitor – QUANTITY: 51 (See page 6, Item #24)

- **Minimum specifications based Dell CPU Mount for Monitor**

Minimum specifications for this model:

- Dell Dual VESA Mount with Adapter Bracket - MFF/TC
- Mount must be capable of mounting computer from Item #2 onto monitor from Item #3

ITEM #5 – Laptop Case - Bump Armor GTX LITE – QUANTITY: 1200 (See page 6, Item #24)

Model: GTX LITE (12”, Black, SKU#: LT2017-12BK)

Features:

- Case Dimensions: 14” x 10.5” x 1.75”
- Exterior material top-of-the-line rip-stop nylon
- Interior built with reinforced corrugated plastic siding
- Front pocket measuring 14” x 7.25”
- Double padding on front side of exterior pocket
- Additional storage pockets inside front large pockets
- Padded wrapped handles (2 handles) located on the top of the case
- Adjustable and removable padded shoulder strap

If an alternative laptop case is bid, please provide a demo unit to the district no later than March 8, 2023.

ITEM #6 – Chromebook – QUANTITY: 1200 (See page 6, Item #24)

- **Must be able to install and run Android Apps**
- **Must have touch screen**

Minimum specifications for this model:

- 11.6”, 10 point capacitive IPS Touchscreen HD display (1366 x 768)
- Intel® Celeron™ N4020 Processor (2 Core, 2.8GHz, 4M cache, 6W) – or newer
- 4GB DDR4 RAM
- 32GB eMMC storage
- Intel(R) Dual Band Wireless AC 9560 (802.11ac) 2x2 + Bluetooth 5.0
- Drop tested to 70 cm
- Reinforced ports, hinges and power plug
- A shock-absorbent frame around screen, sides, and corners
- Ports: 2x USB-C charging, 2x USB 3.0, 1x micro SD, 1x combo audio jack

- Chrome OS

Please provide a demo unit to the district no later than February 22, 2023.

The District requires a self-maintainer account be established with the vendor to allow District technicians access to vendors second level support and quick access to order and receive replacement parts. For Item #4, please provide a list of replacement parts and current pricing for these parts.

ITEM #6a – Optional 2-Year Depot or Accidental Damage Warranty

ITEM #6b – Optional 3-Year Depot or Accidental Damage Warranty

ITEM #6c – Optional 4-Year Depot or Accidental Damage Warranty

ITEM #7 – Chrome OS Management Service – CROS-SW-DN-EDU – QUANTITY: 1200

ITEM #8 – Airtame2 AT-DG2 – Quantity: 118

Model: AT-DG2 – Airtame 2 Wireless HDMI Adapter

ITEM #9 – Airtame Ethernet Adapter – AT-ETH – QUANTITY: 118

Model: AT-ETH – Airtame Ethernet Adapter – Network Adapter

ITEM #10 – Projector – QUANTITY: 103

Minimum specifications based on NEC Model NP-MC423W – see attached specification sheet

ITEM #11 – Amplifier – QUANTITY: 111

Minimum specifications based on Roemtech Model PMA-245H+ – see attached specification sheet

ITEM #12 – Ceiling Speaker – QUANTITY: 182

Minimum specifications based on Teachlogic Model: Teachlogic SP-628 – see attached specification sheet

ITEM #13 – Piggyback Power Extension Cord – QUANTITY: 134

Minimum specifications based on Tripp Lite Piggyback Power Extension Cord 13A 16AWG 5-15P/R to C13 6' 6ft

ITEM #14 – 3.5mm Audio Cable – QUANTITY: 111

Minimum specifications based on C2G 6ft 3.5mm Audio Cable - AUX Cable - M/M

ITEM #15 – Unshielded Plenum Speaker Wire – QUANTITY: 4

Minimum specifications based on West Penn 25225B, 16 AWG 2 Conductor Unshielded Plenum Speaker Wire (1000ft)

DELIVERY OF TECHNOLOGY EQUIPMENT SHOULD BE AS FOLLOWS:

**South Western High School
200 Bowman Road
Hanover, PA 17331
ATTN: Doug Greenholt**

NEC ME & MC Series

Versatile projectors ideal for K-12 classrooms



Flexible classroom projectors offer powerful performance, low maintenance and low cost.

Easy to use and at the right price, ME and MC Series projectors provide all the essential features that you need for brilliant display in classrooms and meeting rooms while providing low cost of ownership with minimal maintenance.



LONG LAMP LIFE
10,000 normal / 20,000 eco

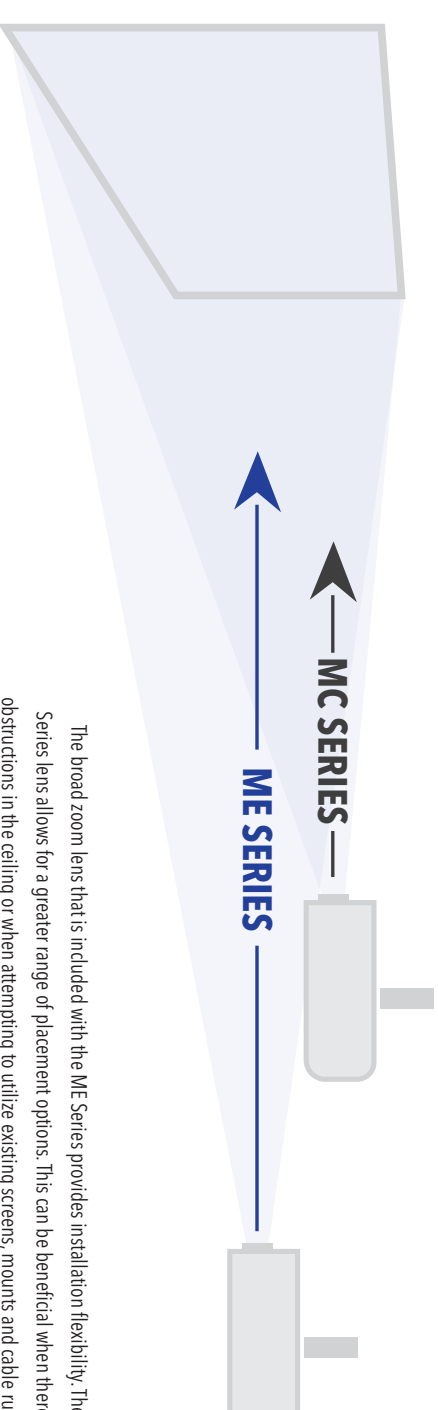
Essential Features for Educational Facilities

- Featuring XGA, WXGA and WUXGA native resolutions, brightness up to 4500 lumens and patented NEC technologies, ME and MC Series LCD projectors display impressive images and videos
- Powerful 16-watt speaker provides volume needed for typical classrooms
- Plug-and-Play intuitive setup and operation
- Variable audio control of external speakers using the projectors remote control
- Sufficient connections for multiple sources with Dual HDMI inputs, computer, video and monitor loopthrough
- Keystone correction technology ensures a square image even when the projector is set up at a steep offset angle to the screen
- AutoSense™ intuitively syncs the projector with most computer signals and features one-touch image optimization
- One-touch source changes and complete menu control using the projector keypad
- Wall Color Correction for vivid images even without a screen

Low Maintenance Environmental Design

- Extended lamp life with ECO Mode™ technology increases lamp life up to 20,000 hours, while lowering power consumption
- Power management enables projector to automatically turn off when an incoming signal is not detected from any of the inputs
- Auto Power On when a signal is detected from a computer
- Carbon savings meter calculates the positive effects of operating the projector in ECO Mode, which is encouraged by an optional message at startup. A green ECO Mode button on the remote control makes the switch easy.
- Quick start (3 to 4 seconds) lets you begin presenting in seconds
- Sleep timer can be set to automatically turn off the projector at set countdown times
- Low power consumption (0.5W in stand-by mode) minimizes energy costs

Zoom Lens Comparison



The broad zoom lens that is included with the ME Series provides installation flexibility. The ME Series lens allows for a greater range of placement options. This can be beneficial when there are obstructions in the ceiling or when attempting to utilize existing screens, mounts and cable runs. A broad zoom lens can reduce installation costs and ensure sharp images that fill the screen properly.

Advanced Functions

MultiPresenter

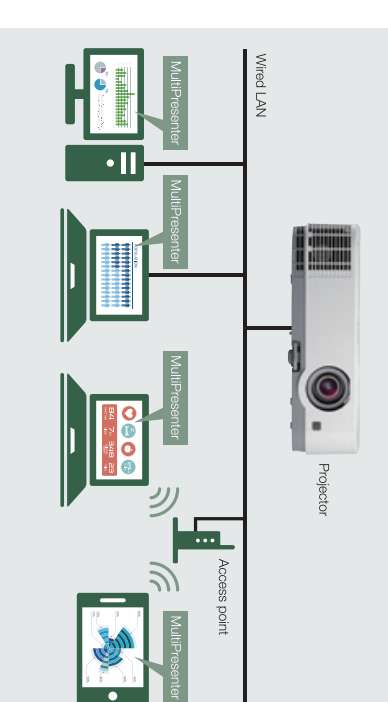
MultiPresenter is application software that lets you display your device's screen (PC, tablet, smart phone, etc.) on the receiver projectors via wired or wireless LAN. MultiPresenter is free and available on Windows, Mac, iOS, and Android. MultiPresenter can send images from your various devices, which enables you to display real-time images with the internal camera or web pages on the smart devices in combination with a file sharing application.

Desktop Version (Win/Mac)

Computer audio and video data (audio can be transmitted only when using Windows) can be transmitted via a wireless or wired LAN.

- Easy Connection
Input a 4-digit number (PIN code) for a network connection via wireless LAN.
- Multiple devices (maximum of 16 screens) can display at the same time and simultaneously display onto multiple receiving projectors.
- Projector control

Connection Example

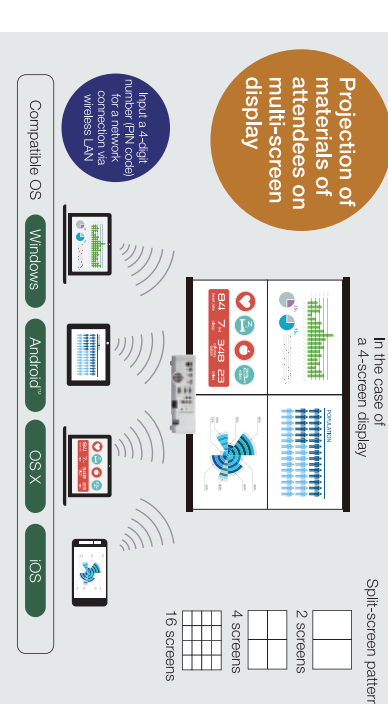


Mobile Version (Android/iOS)

You can transmit files, photos, camera images, files of web pages, and other information stored on Android or iOS devices via a wireless LAN.

- Easy Connection
Input a 4-digit number (PIN code) for a network connection via wireless LAN.
- Multiple devices (maximum of 16 screens) can display at the same time and simultaneously display onto multiple receiving projectors.
- Projector control

Wireless connection image using wireless LAN module



		NP-MC453X	NP-MC423W	NP-ME453X	NP-ME423W	NP-ME403U
Display Technology		0.63" LCD	0.64" LCD	0.63" LCD	0.64" LCD	0.64" LCD
Light Output (lumens)	Center (Boost)	4,700	4,400	4,700	4,400	4,200
	Boost	4,500	4,200	4,500	4,200	4,000
	Normal	Approximately 94%				
	ECO1 mode	Approximately 75%				
Resolution	ECO2 mode	Approximately 63%				
	Native	XGA 1024 x 768	WXGA 1280 x 800	XGA 1024 x 768	WXGA 1280 x 800	WUXGA 1920 x 1200
	Maximum	Up to WUXGA (1920x1200) with Advanced AccuBlend				
Contrast Ratio (up to)	16,000:1					
Light Source (lamp)	Boost	240W				
	Normal	225W				
	ECO1 mode	180W				
	ECO2 mode	150W				
Lamp Life (50%)*	Boost	8,000 hours				
	Normal	10,000 hours				
	ECO1 mode	12,000 hours				
	ECO2 mode	20,000 hours				
Screen Size (diagonal)	30 - 300 in. / 0.76 - 7.62m					
Projection Distance	2.9 - 35.9 ft. / 0.9 - 10.9 m			2.6 - 42.3 ft. / 0.8 - 12.9 m		
Projection Angle	0 - 9° tele / 0 - 10° wide (at 60°)			0 - 7° tele / 0 - 11° wide (at 60°)		
Lens	Zoom	Manual				
	Zoom Ratio	1.2x		1.7x		1.6x
	Throw Ratio	1.5 - 1.8:1	1.4 - 1.6:1	1.3 - 2.2:1	1.2 - 2.1:1	1.2 - 2.0:1
	Focus	Manual				
	F-number, focal length	F:1.6~1.76 f/=19.158~23.018mm		F:1.7~2.2 f/=17.4~29mm		F:1.5~2.08 f/=17.2~27.7mm
Keystone Correction	+/- 30° horizontal (manual), +/- 30° vertical (manual + auto)					
Synchronization Range	Horizontal	15-100kHz (RGB: 24kHz or over)				
	Vertical	50-120Hz				
SD/HD Video Signal Compatibility	480i, 480p, 576i, 576p, 720p, 1080i, 1080p					
PC Signal Compatibility	VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA					
Macintosh Compatibility	Yes					
Input Terminals	RGB1 (analog)	VGA 15-pin D-sub				
	RGB2 (digital)	HDMI w/ HDCP (v2.0)				
	RGB3 (digital)	HDMI w/ HDCP (v2.0)				
	Video	RCA				
	Audio1	Stereo Mini Jack				
Output Terminals	Audio2	RCA (L/R)				
	Audio Out	Stereo Mini Jack				
Wired LAN port	RJ45 (100Base-TX/10Base-T)					
USB	Type A	Wireless LAN (optional), Memory (1.5A)				
	Type B	Service				
External Control	RS-232 (D-Sub 9pin), IR, LAN					
Built-in Speaker	16W					
Power Requirements	100-240V AC, 50/60 Hz					
Input Current	3.3-1.3A				3.4-1.4A	
Power Consumption	Boost	320W				335W
	Normal	305W				315W
	ECO1 mode	250W				260W
	ECO2 mode	215W				225W
	Standby (network)	2.0W or less				
	Standby (normal)	0.5W or less				
Installation Orientation	Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear					
Product Dimensions (WxHxD)	13.6 x 4.3 x 10.3 in. (345 x 108.4 x 261 mm)					13.6 x 4.5 x 11.2 in. (345 x 113.5 x 284.5 mm)
Net Weight	7.3 lbs. (3.3 kg)					7.9 lbs. (3.6 kg)
Shipping Dimensions (WxHxD)	17.7 x 7.8 x 15.4 in. (450 x 200 x 390 mm)					
Gross Weight	10.4 lbs. (4.7 kg)					11.0 lbs. (5.0 kg)
Fan Noise	37dB (ECO mode Off), 29dB (ECO mode)					
Regulations	USA: UL (UL60950-1/UL62368-1) FCC Part15 Class B, Canada: CAN/CSA (62368-1-14) ICES-003 Issue 6					
Operating Temperature	41-104°F / 5-40°C					
Storage	14-122°F / -10-50°C					
Humidity	20-80% non-condensing					

*Not the warranty period. Repair/replacement may be required sooner. - Additional accessories are available, including screens, carts, mount accessories and replacement cables. Visit www.sharpeddisplays.us for details.

UNIQUE FEATURES

Advanced AccuBlend™ ensures detailed images when non-native resolution sources are connected to the projector

Quick start and direct power off improve efficiency and auto power options can lower power consumption

Enhanced security settings help prevent unauthorized access, image adjustments and theft

Improved MultiPresenter function allows easy image sharing from a computer or mobile device via the network

WARRANTY

Registered owners receive a 3 year parts and labor warranty including InstaCare next business day exchange. The lamp is covered for one year or 1,000 hours, whichever comes first.

SHIPS WITH

Remote control, batteries, power cord, RGB signal cable, user's manual on CD-ROM, quick start guide, and product registration card

ORDERING MODEL NUMBERS

- NP-ME453X NP-ME423W
- NP-ME403U NP-MC453X
- NP-MC423W

Accessories

- NP47LP Replacement Lamp
- RMP-P139 Replacement Remote Control
- NP05LM1 802.11b/g/n Wireless LAN Adapter
- MP300CM Ceiling mount
- NP01UCM Universal ceiling mount
- NP402CASE Soft Sided Carry Case
- PWRCRD-V170 Power Cord
- NECEW4YR-ME Extends term of parts and labor warranty to 4 years including InstaCare
- NECEW5YR-ME Extends term of parts and labor warranty to 5 years including InstaCare



HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC. All other brand or product names are trademarks or registered trademarks of their respective holders. Product specifications subject to change.

PMA-245H+

Plenum Mixer/Amplifier

SW TECHNOLOGY

EQUIPMENT BID ITEM #11

ROEMTECH®

Classroom audio has never been easier.



- HummBuster Technology
- Phenomenal Power
- Superb Performance

HummBuster Technology


The new PMA-245H+ incorporates Roemtech's proprietary HummBuster technology on both inputs. This allows the installer or end user to simply "switch off" annoying hums or buzzes without affecting audio quality. The switches on the front panel are easily accessed and will effectively filter out hums and ground-loop issues that have traditionally plagued audio systems. Getting rid of audio noise has never been easier.

Phenomenal Power

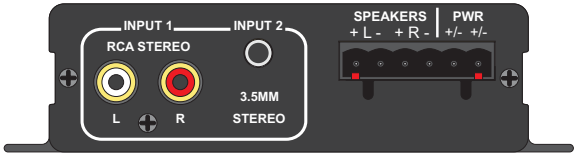
With a true 45 watts of class D power, the PMA-245H+ will give you the audio clarity you need for your largest classrooms. In many environments, ambient background noise such as HVAC systems and hallway traffic is an issue. With the PMA-245H+, these issues won't overpower your sound system.

Superb Performance

The PMA-245H+ has been designed with full-range performance in mind. Most amplifiers in this category do not put a lot of emphasis on accurate frequency performance. Roemtech has a different view, delivering crystal clear audio while maintaining impressive bass response. The PMA-245H+ handles the entire audio spectrum with superb accuracy. Featuring the latest innovations in ultra-efficient class D technology, you will experience stunning performance while staying on budget.



Front Panel



Rear Panel

Specifications:

Power:	45watts @ 40hms
Freq. Response:	20Hz to 20kHz
Input 1:	Stereo RCA - mixable
Input 2:	Stereo 3.5mm - mixable
Outputs:	Stereo or Mono Switchable
Power Supply:	24V @ 2.5Amps - 60watts
Operating Temp:	-40F to +190F
Weight:	.75 lbs (amp only)
Amp Dimensions:	4.75"w x 5.22"d x 1.26"h
Warranty:	3 year standard



Ceiling Speaker SP-628

SP-628 Ceiling speaker, coaxial, 8 ohm, metal back can w/ optional tile bridge shown

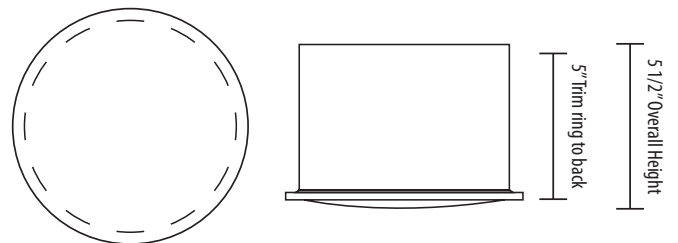
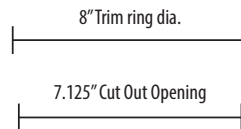
Specifications

Frequency Range	120 Hz to 23 kHz, ± 10 dB
Power	30 Watts Continuous
Sensitivity	87 dB SPL (1 W/1 M)
Impedance	8 Ω
Nominal Coverage	90° x 90°
LF Driver	6.5" Cone Driver
Magnet	10 oz
HF Driver	High efficiency 1" domed tweeter
Enclosure Material	Air Sealed Metal Backcan
Termination	Screw terminals for secure speaker wire connection
Mounting	Three Quick-Mount Clamps
Dimensions	5.5" H x 8" Dia.
Net Weight (ea)	3 lb 2 oz
Shipping Weight (x4)	18 lb
UL Requirement	Meets UL 2043 criteria for plenum installation

Features

- Air Sealed Metal Back Can for an infinite baffle
- Mounting: Three Quick-Mount Clamps
- Perforated steel grill painted 'tile white'
- Screw terminal
- Suitable for ceiling or in-wall mounting
- Optional Accessory: Galvanized Steel Tile Bridge

Install Dimensions



SOUTH WESTERN SCHOOL DISTRICT
225 Bowman Road
Hanover, PA 17331

FORM OF PROPOSAL

Gentlemen:

We, the undersigned, herewith propose and agree to furnish to the South Western School District any item or items at the net prices set opposite each item on the attached sheets.

This proposal is subject to all the terms of the Contract Documents which include the Advertisement for Bids, Information to Bidders, General Conditions of the Bid, Special Conditions, if any, the Specifications for the Supplies and/or Materials desired, and we hereby agree to enter into a written contract to furnish such item(s), as may be awarded to us, and to furnish such security as these specifications require.

We understand that the South Western School District reserves the right to reject any or all bids or any portion thereof not deemed satisfactory, or to select single items from any bid.

() ANY SPECIAL CONDITIONS OF THIS BID PROPOSAL MUST BE ATTACHED TO THIS FORM OF PROPOSAL.

Continued

The undersigned bidder certifies to having read the Advertisement for Bids, Conditions of Bid or Proposal, Instructions to Bidders, and Specifications, and offers to furnish supplies and/or materials as specified to the School District in exact accordance with these specifications and conditions at the prices stated on the attached forms.

If Bidder is an Individual,

SIGNATURE _____

ADDRESS _____

TELEPHONE _____

If Bidder is an Individual
Trading under a Fictitious
Name, or is a Partnership,
Title

SIGNATURE _____

TRADING AS _____

ADDRESS _____

TELEPHONE _____

If Bidder is a Corporation,
Fill in Corporate Name and
Sign:

NAME _____

ADDRESS _____

SIGNATURE _____

President

SIGNATURE _____

Secretary

SIGNATURE _____

SOUTH WESTERN SCHOOL DISTRICT TECHNOLOGY EQUIPMENT

Item	Unit Cost	Total Bid Price
1 – Laptop (73)		
2 – Desktop (51)		
3 – Monitor with mount (51)		
4 – CPU Mount for Monitor (51)		
5 – Laptop Case (1200)		
6 – Chromebook - Touchscreen (1200)		
Optional Warranty Items		
6a – Optional 2-Year Warranty		
6b – Optional 3-Year Warranty		
6c – Optional 4-Year Warranty		
7 – ChromeOS Management (1200)		
8 – Airtame 2 (118)		
9 – Airtame Ethernet Adapter (118)		
10 – Projector (103)		
11 – Amplifier (111)		
12 – Ceiling Speaker (182)		
13 – Piggyback Power Extension Cord (134)		
14 – 3.5mm Audio Cable (111)		
15 – Unshielded Plenum Speaker Wire (4)		

Please indicate anticipated delivery date based on 3/23/2023 order date. _____

Please note: According to Item #20 on page 5 – Liquidated Damages, the complete order must be delivered to South Western High School, 200 Bowman Road, Hanover, PA

17331 before July 12, 2023 or liquidated damages will be imposed at the rate of \$300 per day.

Company Name: _____

Company Address/Phone No:

Company Signature/Title:

(Signature)

(Title)

INSTRUCTIONS FOR NON-COLLUSION AFFIDAVIT

1. This Non-Collusion Affidavit is material to any contract awarded pursuant to this bid. According to the Pennsylvania Antibid-Rigging Act, 73 P.S. §§ 1611 et. seq., governmental agencies may require Non-Collusion Affidavits to be submitted together with bids.
2. This Non-Collusion Affidavit must be executed by the member, officer or employee of the bidder who makes the final decision on prices and the amount quoted in the bid.
3. Bid rigging and other efforts to restrain competition, and the making of false sworn statements in connection with the submission of bids are unlawful and may be subject to criminal prosecution. The person who signs the Affidavit should examine it carefully before signing and assure himself or herself that each statement is true and accurate, making diligent inquiry, as necessary, of all other persons employed by or associated with the bidder with responsibilities for the preparation, approval or submission of the bid.
4. In the case of a bid submitted by a joint venture, each party to the venture must be identified in the bid documents, and an Affidavit must be submitted separately on behalf of each party.
5. The term “complementary bid” as used in the Affidavit has the meaning commonly associated with that term in the bidding process, and includes the knowing submission of bids higher than the bid of another firm, any intentionally high or noncompetitive bid, and any other form of bid submitted for the purpose of giving a false appearance of competition.
6. Failure to file an Affidavit in compliance with these instructions will result in disqualification of the bid.

NON-COLLUSION AFFIDAVIT

Contract/Bid No. _____

State of _____ :
:S.S.
County of _____ :

I state that I am _____ of _____
[Title] [Name of my firm]

and that I am authorized to make this affidavit on behalf of my firm, and its owners, directors, and officers. I am the person responsible in my firm for the price(s) and the amount of this bid.

I state that:

- (1) The price(s) and amount of this bid have been arrived at independently and without consultation, communication or agreement with any other contractor, bidder or potential bidder.
- (2) Neither the price(s) nor the amount of this bid, and neither the approximate price(s) nor approximate amount of this bid, have been disclosed to any other firm or person who is a bidder or potential bidder, and they will not be disclosed before bid opening.
- (3) No attempt has been made or will be made to induce any firm or person to refrain from bidding on this contract, or to submit a bid higher than this bid, or to submit any intentionally high or noncompetitive bid or other form of complementary bid.
- (4) The bid of my firm is made in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complementary or other noncompetitive bid.

(5) _____ its affiliates, subsidiaries, officers, directors
[Name of my Firm]
and employees are not currently under investigation by any governmental agency and have not in the last four years been convicted or found liable for any act prohibited by State or Federal law in any jurisdiction, involving conspiracy or collusion with respect to bidding on any public contract, except as follows:

I state that _____ understands and acknowledges that the
[Name of my firm]
above representations are material and important, and will be relied on by South Western School District in awarding the contract(s) for which this bid is submitted. I understand and my firm

understands that any misstatement in this affidavit is and shall be treated as fraudulent concealment from South Western School District of the true facts relating to the submission of bids for this contract.

[Name and Company Position]

SWORN TO AND SUBSCRIBED
BEFORE ME THIS _____ DAY
OF _____, _____

Notary Public

My Commission Expires:

2785K