

Enhanced Multimedia Outlet System (MOS) VGA Modules

APPLICATION

Leviton's Multimedia Outlet System (MOS) Enhanced VGA Modules provide a point-to-point connection over twisted-pair cabling. Connect desktop computers, laptop computers, and tablets to monitors and projectors using standard VGA connectors. The IDC termination allows for quick termination and customization of cable lengths in the field.

The VGA modules must be installed as a set (PC and Monitor), and require a Leviton MOS wallplate. The modules are manufactured from durable polycarbonate plastic and are available in white, ivory, or light almond.



SPECIFICATION

A/V modules shall have the ability to transmit analog VGA signals over twisted-pair cabling in a point-to-point connection. Products shall be compatible with UTP or shielded cabling that is rated for CAT 5e or higher. Twisted-pair cabling shall be terminated to product using IDC connections. Products shall be capable of transmitting video at resolutions of: 1024 x 768 for distances up to 75 feet, 1600 x 1200 and 1920 x 1080 at distances of 50 feet. Products signal transmission shall include the Display Data Channel (DDC) signals. Products shall be available in white, ivory, and light almond colors, and shall be compatible with Leviton MOS wallplates. Modules shall be used as a set: 1 PC Module with 1 Monitor Module.

FEATURES

- Provides a point-to-point VGA connection over twisted-pair cabling (UTP or shielded)
- Passive modules compensate for the impedance difference between 75 Ω unbalanced video signal and the 100 Ω balanced cabling
- Display Data Channel (DDC) signals included, which allow the PC to detect the display's capabilities
- Twisted-pair cabling can be cut to length in field
- Twisted-pair cabling provides a migration path for future digital signals
- Fast and easy cable termination using color-coded 110-style IDC connectors

DESIGN CONSIDERATIONS

- **PC and Monitor modules must be used as a set**
- Modules must be installed in a Leviton MOS wallplate
- VGA modules can be mixed with other MOS modules in the same wallplate
- Two twisted-pair cables (CAT 5e or higher, UTP or shielded) required for each set of VGA modules
- VGA modules designed to support video resolutions of:
 - 1024 x 768 for distances up to 75 feet
 - 1600 x 1200 for distances up to 50 feet
 - 1920 x 1080 for distances up to 50 feet

MECHANICAL SPECIFICATIONS

Dimensions: 0.96" H x 1.85" W x 2.05" D
Housing Material: Polycarbonate
VGA Connector: High Density D-Sub 15, female

ELECTRICAL SPECIFICATIONS

Cable Type: UTP and shielded twisted-pair (CAT 5e or higher)
Cable length: Up to 75 feet (1024 x 768)
Up to 50 feet (1600 x 1200 and 1920 x 1080)
Impedance: VGA – 75 Ω unbalanced
IDC – 100 Ω balanced
Video Signal: RGB, 1V peak-to-peak
Sync Signal: TTL standard

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature: 0° C to 50° C (32° F to 122° F)
Storage Temperature: -10° C to 70° C (14° F to 158° F)
Relative Humidity: 0% to 90%, non-condensing

REGULATORY

UL 1863 UL 94V-0

COUNTRY OF ORIGIN

Taiwan

WARRANTY INFORMATION

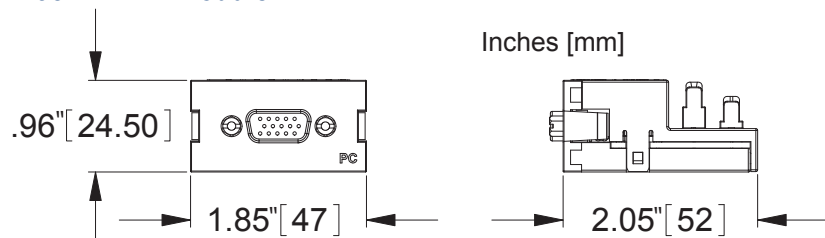
One-year limited warranty.

For a copy of Leviton product warranties, visit www.leviton.com/warranty.

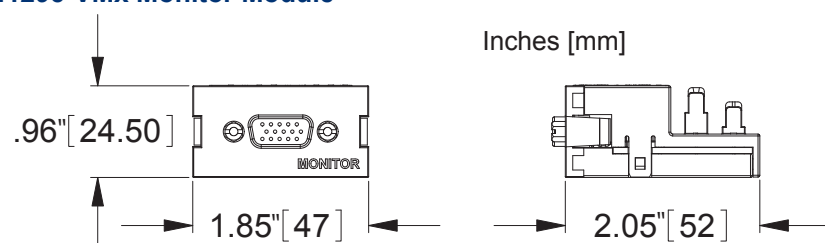
ELECTRONIC FILES

For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.

41295-VPx PC Module



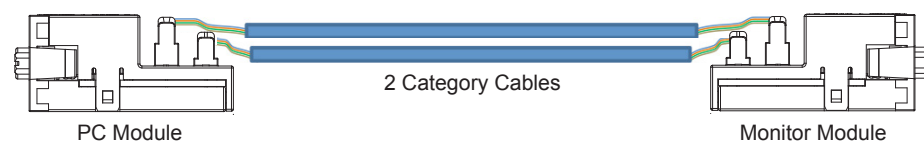
41295-VMx Monitor Module



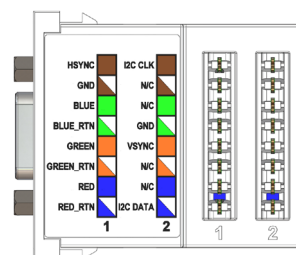
Pin	Signal	IDC/Wire
1	Red video	1 – blue
2	Green video	1 – orange
3	Blue video	1 – green
4	n/a	
5	Ground	
6	Red video return	1 – w/blue
7	Green video return	1 – w/orange
8	Blue video return	1 – w/green
9	DDV +5V	
10	Sync ground	1 – w/brown 2 – w/green
11	n/a	
12	DDC (I ² C) data	2 – w/blue
13	Horizontal sync	1 – brown
14	Vertical sync	2 – orange
15	DDC (I ² C) clock	2 – brown

41295-Vxx

WIRING DIAGRAM



CONNECTOR PIN-OUT



PART NUMBERS

Description	Part No.
VGA PC MOS Module, 110-style termination, white	41295-VPW
VGA PC MOS Module, 110-style termination, ivory	41295-VPI
VGA PC MOS Module, 110-style termination, light almond	41295-VPT
VGA Monitor MOS Module, 110-style termination, white	41295-VMW
VGA Monitor MOS Module, 110-style termination, ivory	41295-VMI
VGA Monitor MOS Module, 110-style termination, light almond	41295-VMT