

## 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  $\Omega$  unbalanced video signal and the 100  $\Omega$  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  $\Omega$  unbalanced  
IDC – 100  $\Omega$  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

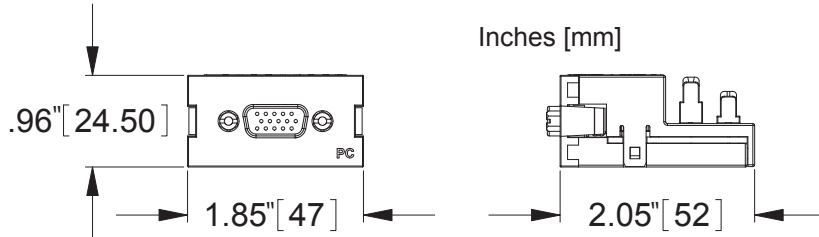
One-year limited warranty.

For a copy of Leviton product warranties, visit [www.leviton.com/warranty](http://www.leviton.com/warranty).

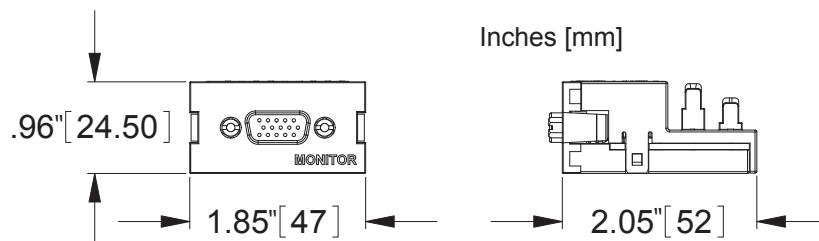
**ELECTRONIC FILES**

For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit [www.leviton.com](http://www.leviton.com).

**41295-VPx PC Module**



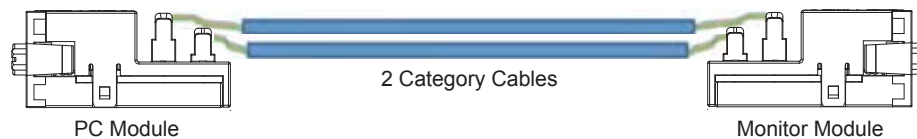
**41295-VMx Monitor Module**



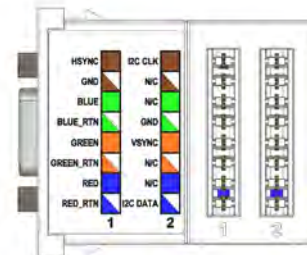
| Pin | Signal                       | IDC/Wire                   |
|-----|------------------------------|----------------------------|
| 1   | Red video                    | 1 – blue                   |
| 2   | Green video                  | 1 – orange                 |
| 3   | Blue video                   | 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<br>2 – w/green |
| 11  | n/a                          |                            |
| 12  | DDC (I <sup>2</sup> C) data  | 2 – w/blue                 |
| 13  | Horizontal sync              | 1 – brown                  |
| 14  | Vertical sync                | 2 – orange                 |
| 15  | DDC (I <sup>2</sup> 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 |



**Leviton Network Solutions**  
2222 - 222nd St. SE  
Bothell, WA 98021-4416

**Asia / Pacific**  
T +1.631.812.6228  
E [infoasean@leviton.com](mailto:infoasean@leviton.com)

**Canada**  
T +1.514.954.1840  
E [pcservice@leviton.com](mailto:pcservice@leviton.com)

**Caribbean**  
T +1.954.593.1896  
E [infocaribbean@leviton.com](mailto:infocaribbean@leviton.com)

**China**  
T +852.2774.9876  
E [infochina@leviton.com](mailto:infochina@leviton.com)

**Colombia**  
T +57.1.743.6045  
E [infocolombia@leviton.com](mailto:infocolombia@leviton.com)

tel 1-800-824-3005  
tel +1-425-486-2222  
[appeng@leviton.com](mailto:appeng@leviton.com)  
[www.leviton.com](http://www.leviton.com)

**Europe**  
T +33.6.8869.1380  
E [infoeurope@leviton.com](mailto:infoeurope@leviton.com)

**India / SAARC**  
T +91.80.4322.5678  
E [infoindia@leviton.com](mailto:infoindia@leviton.com)

**Mexico**  
T +52.55.5082.1040  
E [Isamarketing@leviton.com](mailto:Isamarketing@leviton.com)

**Middle East & Africa**  
T +971.4.886.4722  
E [lmeinfo@leviton.com](mailto:lmeinfo@leviton.com)

**South Korea**  
T +82.2.3273.9963  
E [infokorea@leviton.com](mailto:infokorea@leviton.com)