

TPMC-CH-IMW

CAT5 Balanced AV Interface Wall Plate

The TPMC-CH-IMW is a wall plate version of the TPMC-CH-IMC interface module, providing a wall plate connection for new Isys® TPS and TPMC-CH series touchpanels that utilize Crestron Home® (CH) CAT5 Balanced AV connectivity*. It mounts into a 2-gang electrical box and includes front panel connections for a single "triamese" cable (provided with the touchpanel or sold separately). Several TPMC-CH-IMW wall plates may be installed to facilitate connectivity for a single movable touchpanel at multiple locations.

Wired as part of a complete Crestron Home CAT5 AV distribution system, the TPMC-CH-IMW requires just a single CresCAT-D cable, carrying Cresnet, bidirectional audio, and (1) video signal up to 500 feet within a single bundled cable (observe distance limitations based upon power consumption for the touchpanel in use). The TPMC-CH-IMW can also be connected to conventional audio and coaxial video sources.

*The TPMC-CH-IMW is not compatible with QuickMedia® or 10-pin RJ45 based systems.

SPECIFICATIONS

Connectors - Front Panel

NET: (1) 4-pin 3.5mm detachable terminal block;
Pass-thru from rear NET port
AUDIO: (1) 8-pin RJ45 female;
Bidirectional CAT5 balanced stereo audio port;
Output Impedance: 100 ohms balanced;
Maximum Output Level: 2 Vrms;
Input Impedance: Infinite (unbuffered pass-thru to rear AUDIO OUT port)
VIDEO: (1) 8-pin RJ45 female, CAT5 balanced video output port;

Connectors - Rear Panel

NET: (1) 4-pin 5mm detachable terminal block;
Cresnet slave port, connects to Cresnet control network
VIDEO COMP/Y/Y, C/Pb, Pr: (1) 9-pin 3.5mm detachable terminal block;
Provides (1) composite, S-Video, or component video input;
Input Impedance: 100 ohms balanced (also accepts 75 ohm unbalanced);
Input Level: 1 Vp-p nominal, 1.5 Vp-p maximum;
Maximum DC Offset: 1.5 Volts;
Connects to any Crestron CAT5 Video Out port via CresCAT cable, or a conventional coax video source
AUDIO IN: (1) 5-pin 3.5mm detachable terminal block
Balanced/unbalanced stereo line-level input;
Input Impedance: 20k ohm balanced, 10k ohm unbalanced;
Maximum Input Level: 4 Vrms balanced, 2 Vrms unbalanced;
Connects to any Crestron CAT5 Audio port via CresCAT cable, or conventional audio source
AUDIO OUT: (1) 5-pin 3.5mm detachable terminal block;
Balanced stereo line-level output (unbuffered pass-thru from front AUDIO port);
Connects to any Crestron CAT5 Audio port via CresCAT cable, or a conventional balanced audio input

LED Indicators

PWR: (green) Indicates 24 Volts DC power supplied from Cresnet control network



Power Requirements

Cresnet Power Usage : 2 Watts (0.08 Amps @ 24 Volts DC)

Environmental

Temperature: 41° to 122°F (5° to 50°C)
Humidity: 10% to 90% RH (non-condensing)

Enclosure

2-gang mountable in a standard electrical box (2.5 inch deep minimum); includes black metal front panel decorator style inserts; requires decorator style faceplate (provided by others)

Dimensions

Height: 4.11 in (10.44 cm)
Width: 3.50 in (8.89 cm)
Depth: 1.66 in (4.22 cm)

Weight

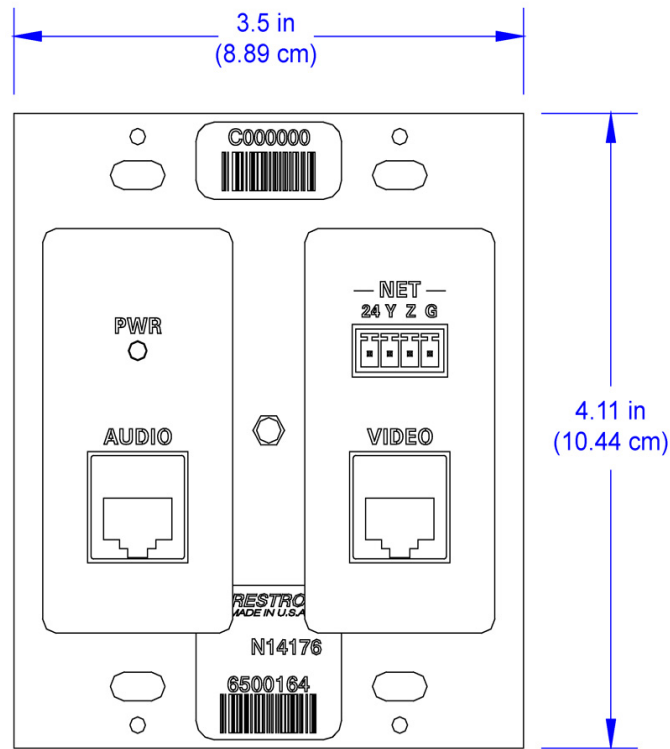
7.5 oz (0.21 kg)

Available Models

TPMC-CH-IMW: CAT5 Balanced AV Interface Wall Plate

TPMC-CH-IMW CAT5 Balanced AV Interface Wall Plate

Front



Side and Back

