DM-PSU-16

16-Port PoDM Power Supply for DM® Switchers

- *Provides a centralized power source for up to 16 PoDM powered devices[2]*
- *Designed for use with modular DigitalMedia™ switchers using DM 8G+™ I/O cards*
- *Compatible with PoH powered HDBaseT™ devices[2]*
- *Includes front panel indicators for easy troubleshooting*
- *Single-space 19" rack-mountable*

Power over DM® (PoDM) is a feature of Crestron® DigitalMedia 8G+™ technology that enables operating power for DM 8G+™ transmitters and receivers to be carried alongside video, audio, and data signals over a single CAT5e cable. As part of a complete DM system, PoDM can be used to deliver a centralized power distribution solution for a facility full of transmitter and receiver devices, eliminating all the bulky power packs and reducing the number of AC power outlets normally required at every device location.

The DM-PSU-16 provides power for up to sixteen PoDM powered devices. It is designed to install at the central switcher location, occupying just a single rack space and requiring just one AC power outlet. Each of its sixteen POWER ports connects to the POE IN port[1] of a DMC-C input card, DMC-C-DSP input card, or DMCO-5 Series output card. A full 15.4 Watts is supplied by each port to handle sixteen Class 0-3 PoDM devices simultaneously. Connections between the DM-PSU-16 and switcher are made using ordinary CAT5e cables terminated with RJ45 connectors (not included). Front panel LEDs indicate when each port is supplying power to a PoDM powered device.

The DM-PSU-16 is also compatible with HDBaseT™ specifications, and may be used to power PoH (Power over HDBaseT) powered devices that are connected to the DM switcher in the same manner as a PoDM powered device.[2] PoDM is intended specifically for use with DM 8G+ based systems.

SPECIFICATIONS

Indicators

PWR: (1) green LED, indicates operating power supplied via main power input
POWER 1 – 16: (16) green LEDs, each indicates PoDM is active and a PoDM (or PoH) powered device is connected to the corresponding port (via a DM® Switcher I/O card)

Connectors

POWER MAX 15.4W/PORT 1 – 16: (16) 8-wire RJ45, female;
PoDM and PoH PSE (Power Sourcing Equipment) ports;
Each port connects to the POE IN port[1] of DM Switcher I/O Card;
Each port supports one PoDM/PoH PD (Powered Device) up to 15.4W (Class 0-3)

100-240V~50/60Hz 3.5-1.6A: (1) IEC 60320 C14 main power inlet;
Mates with removable power cord, included

G: (1) 6-32 screw, chassis ground lug

Power Requirements

Main Power: 3.5-1.6 Amps @ 100-240 Volts AC, 50/60 Hz

Environmental

Temperature: 32° to 104°F (0° to 40°C)
Humidity: 10% to 90% RH (non-condensing)
Heat Dissipation: 162 BTU/Hr

Enclosure

Chassis: Metal, black finish, fan-cooled, vented sides
Faceplate: Metal, black finish with polycarbonate label overlay
Mounting: Freestanding or 1U 19-inch rack-mountable (adhesive feet and rack ears included)

Dimensions

Height: 1.73 in (44 mm)
Width: 17.28 in (439 mm);
19.00 in (483 mm) with ears
Depth: 8.56 in (218 mm)

Weight

5.2 lb (2.4 kg)

DM-PSU-16 16-Port PoDM Power Supply for DM® Switchers

DM-PSU-16 – Rear View

MODELS & ACCESSORIES

Available Models

DM-PSU-16: 16-Port PoDM Power Supply for DM® Switchers

Notes:

1. PoDM interfaces connected to these ports are for intra-building use only and should not be connected to lines that run outside of the building in which the PoDM switch is located.
2. PoDM is only compatible with DM 8G+ and HDBaseT devices. Consult the spec sheet for each individual device to verify its PoDM or PoH capabilities.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/salesreps or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at: patents.crestron.com.

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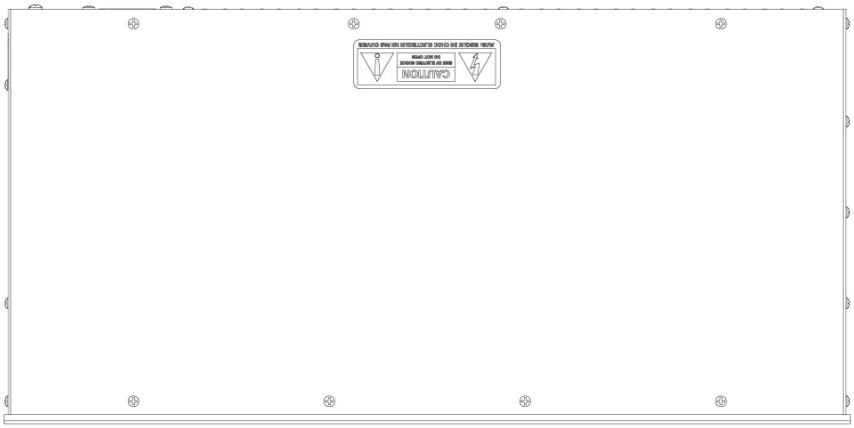

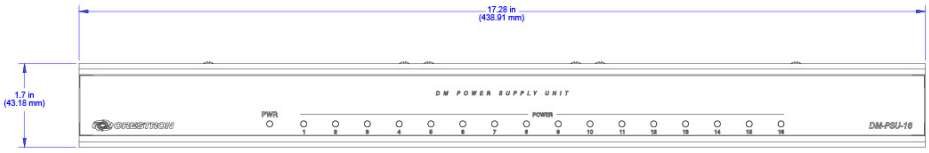

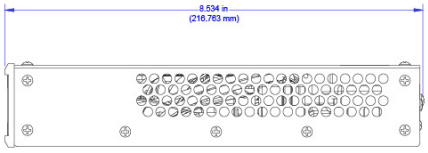

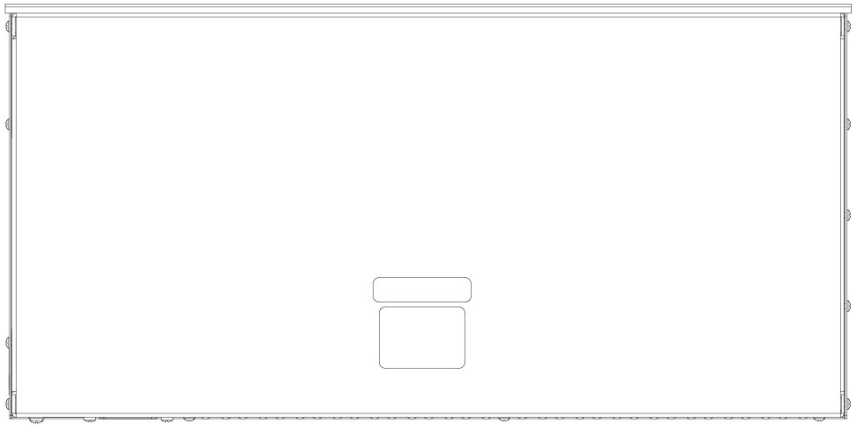

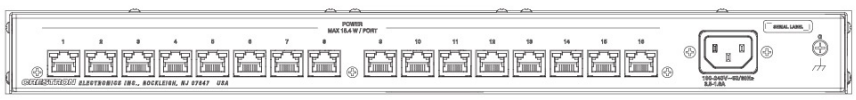

Specifications subject to change without notice. Revised 06/14/13