

16-Port PoDM+ Power Supply for DM 8G+® I/O Cards

- > Provides a centralized power source for up to 16 PoDM+ powered devices
- > Also compatible with HDBaseT® PoE+, as well as regular PoDM and HDBaseT PoE powered devices
- > Designed for use with any card-based DigitalMedia™ switcher with DM 8G+® I/O cards installed
- > Supplies 30 Watts per port
- > Includes front panel indicators for easy troubleshooting
- > Single-space 19" rack-mountable
- > Internal 100-240V universal power supply

Power over DM® (PoDM) is a feature of Crestron® DigitalMedia 8G+® technology that enables many DM 8G+® transmitters and receivers to be powered over the same CATx cable that carries their video, audio, and data signals. Using PoDM affords a one-wire interface solution, and eliminates the need to install a bulky power pack at every transmitter and receiver location.^[1]

The DM-PSU-16-PLUS supplies power for up to sixteen PoDM, PoDM+, HDBaseT® PoE, or HDBaseT PoE+ 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 of a DMC-Series DM 8G+ type input or output card (refer to the Specifications for compatible card models). Connection between the DM-PSU-16-PLUS and switcher requires one CAT5e patch cable with RJ45 connectors per port (cables and connectors not included).^[2]

The DM-PSU-16-PLUS supplies a full 30 Watts per port to handle Class 4 PoDM+ and HDBaseT PoE+ powered devices. It is also compatible with regular Class 0-3 PoDM and HDBaseT PoE powered devices. Front panel LEDs indicate when each port is supplying power to a compatible device.^[1]

SPECIFICATIONS

Compatible Switcher I/O Cards

Compatible with all DMC-Series DM 8G+ input and output cards, inclusive of the following models:

- DMC-C DM 8G+ Input Card
- DMC-C-DSP DM 8G+ Input Card w/Downmixing
- DMC-4K-C 4K DM 8G+ Input Card
- DMC-4K-C-DSP 4K DM 8G+ Input Card w/Downmixing
- DMC-4K-C-HDCP2 4K DM 8G+ Input Card
- DMC-4K-C-DSP-HDCP2 4K DM 8G+ Input Card w/Downmixing
- DMC-4KZ-C 4K60 4:4:4 HDR DM 8G+ Input Card
- DMC-4KZ-C-DSP 4K60 4:4:4 HDR DM 8G+ Input Card w/Downmixing
- DMC-4K-CO-HD 2-Channel 4K DM 8G+ Output Card
- DMC-4K-CO-HD-HDCP2 2-Channel 4K DM 8G+ Output Card
- DMC-4KZ-CO-HD 2-Channel 4K60 4:4:4 HDR DM 8G+ Output Card

Note: Also compatible with legacy DMCO series output cards with Type 5 or Type 8 DM 8G+ output ports. All DM 8G+ cards are compatible with HDBaseT.

Indicators

PWR: (1) Green LED, indicates operating power is supplied via the main power input

POWER 1 – 16: (16) Green LEDs, each indicates PoDM is active and a PoDM (or HDBaseT PoE) powered device is connected to the corresponding port (via a DMC-Series DM 8G+ I/O card)

Connectors

POWER MAX 30W/PORT 1 – 16: (16) 8-pin RJ45 connectors, female; PoDM+ PSE ports (HDBaseT PoE+ compatible)^[2];

Each port connects to the POE IN port of a DMC-Series DM 8G+ I/O Card to enable power sourcing via the corresponding DM 8G+ port on the card; Each port supplies up to 30 Watts to power a single PoDM, PoDM+, HDBaseT PoE, or HDBaseT PoE+ PD (Powered Device)

100-240V~ 50/60Hz 6.6-2.7A: (1) IEC 60320 C14 main power inlet; Mates with removable power cord, included

G: (1) 6-32 screw;
Chassis ground lug

Power

Main Power: 6.6-2.7 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: 319 BTU/hr

Construction

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

Dimensions

Height: 1.73 in (44 mm)
Width: 17.28 in (439 mm), 19.0 in (483 mm) with rack ears
Depth: 15.25 in (388 mm)

Weight

5.2 lb (2.4 kg)

Compliance

UL Listed for US & Canada, CE, IC, FCC Part 15 Class B digital device

DM-PSU-16-PLUS 16-Port PoDM+ Power Supply for DM 8G+[®] I/O Cards

MODELS & ACCESSORIES

Available Models

DM-PSU-16-PLUS: 16-Port PoDM+ Power Supply for DM 8G+[®] I/O Cards

Available Accessories

DM-CBL-ULTRA-PC Series: DigitalMedia™ Ultra Patch Cables

Notes:

1. Please consult the specifications for each transmitter or receiver device to verify its ability to be powered by PoDM or HDBaseT PoE. Devices that require more than 30 Watts from the PSE (25.5 Watts at the PD accounting for cable loss) cannot be powered using the DM-PSU-16-PLUS. For such devices, refer to the [DM-PSU-ULTRA-MIDSPAN](#).
2. PoDM and HDBaseT PoE PSE (Power Sourcing Equipment) ports are for intra-building use only and should not be connected to lines that run outside of the building in which the PSE is located.

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 <https://www.crestron.com/How-To-Buy/Find-a-Representative> or by calling 855-263-8754.

The specific patents that cover this and other Crestron products are listed online at <https://www.crestron.com/legal/patents>.

Certain Crestron products contain open source software. For specific information, please visit <https://www.crestron.com/opensource>.

Crestron, the Crestron logo, DigitalMedia, DigitalMedia 8G+, DM, and DM 8G+ are either trademarks or registered trademarks of Crestron Electronics, Inc. in the United States and/or other countries. HDBaseT is either a trademark or registered trademark of HDBaseT Alliance in the United States and/or other countries. Other trademarks, registered trademarks, and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Crestron disclaims any proprietary interest in the marks and names of others. Crestron is not responsible for errors in typography or photography. Specifications are subject to change without notice. ©2018 Crestron Electronics, Inc.