

PoDM+ Redundant Power Supply for DM 8G+® I/O Blades & DMPS3-4K-200/300-C

- > Enables PoDM and PoDM+ sourcing for DM 8G+® I/O blades and some DMPS3 systems
- > Supports up to three DMB-4K-I-C and/or DMB-4K-O-C blades
- > Supports up to three DMPS3-4K-200-C and/or DMPS3-4K-300-C systems
- > Enables full PoDM and PoDM+ at all ports on each blade or DMPS3 unit
- > Redundant power supply design ensures continuous reliable operation
- > Hot-swappable power supply modules can be replaced in seconds without shutting down
- > Includes front panel status indicators for easy troubleshooting
- > Allows status monitoring and error notification via the DM® switcher and control system
- > Single-space 19" rack-mountable
- > Includes three 8 ft (2.4 m) interconnect cables and three AC line power cables
- > Optional 20 ft (6.1 m) interconnect cables are available separately



The DM-PSU-3X8-RPS is an optional accessory for Crestron® 8-Channel DM 8G+® Input and Output Blades (models [DMB-4K-I-C](#) & [DMB-4K-O-C](#)) and certain 3-Series® 4K DigitalMedia™ Presentation Systems (models [DMPS3-4K-200-C](#) & [DMPS3-4K-300-C](#)). It is a rack-mountable power supply that enables PoDM (Power over DigitalMedia) and PoDM+ sourcing capability for up to three blades or DMPS3 units.

Used with DM 8G+ blades, the DM-PSU-3X8-PWS enables full PoDM and PoDM+ sourcing through all eight DM 8G+ ports on all three blades simultaneously. Used with DMPS3, it enables PoDM and PoDM+ sourcing through every DM 8G+ Input and Output port, and enables PoE sourcing through the Control Subnet port. The DM-PSU-3X8-PWS maximizes efficiency by intelligently and continuously negotiating the power required by each port.

To ensure continuous reliable operation for mission critical applications, the DM-PSU-3X8-RPS features a modular hot-swappable redundant power supply design. A total of three power supply modules are employed, and in the unlikely event of an individual module error, the complete unit will continue to operate at full capacity with the remaining two modules working. The failed module can be easily replaced in seconds from the rear panel without shutting down the entire unit or removing it from the equipment rack. Front and rear panel LEDs provide clear indication of any errors. Status can also be monitored remotely through a control system connected to the DM® switcher in which the dependent I/O blades reside. Instant notification of an error can be sent from the control system to a system touch screen, mobile device, email client, or [Crestron Fusion® Cloud](#).

The DM-PSU-3X8-RPS ships complete with three hot-swappable power supply modules installed, plus three 8 ft (2.4 m) interconnect cables and three AC line power cables. Optional 20 ft (6.1 m) interconnect cables are available separately.

SPECIFICATIONS

Connectors

SLOT 1 – 3: (3) Power supply module slots;
Each slots accepts (1) DM-PSUA-PWS power supply module (3 included)

Main Power In: (3) IEC 60320 C14 main power inlets (1 per module);
Mate with detachable 6 ft (1.8 m) power cords, included

DC Power Out 1 – 3: (3) Combo D-sub 7w2, female;
Each connects to one DMB-4K-I-C or DMB-4K-O-C blade, or one DMPS3 unit, via a CBL-PWR-MON-7W2 interconnect cable;
(8 ft / 2.4 m cables included, 20 ft / 6.1 m cables sold separately)

COMPUTER (front): (1) USB Type B female;
USB computer console port (for firmware update and diagnostics)

Indicators

OUTPUT 1 – 3: (3) Bi-color green/red LEDs, each indicates the corresponding power supply module is functioning normally with at least one blade or DMPS3 connected (green) or is experiencing an output error (red); error conditions include over-current, under-voltage, no voltage, no blade connected, or blade not communicating

POWER SUPPLY 1 – 3: (3) Bi-color green/red LEDs, each indicates the corresponding power supply module is installed and functioning normally (green) or is installed but experiencing an error (red); error conditions include no AC input power or a power sharing imbalance between modules

Error (rear): (3) Red LEDs (1 per module), each indicates an error with the corresponding power supply module

DC Good (rear): (3) Green LEDs (1 per module), each indicates the corresponding power supply module is powered and functioning normally

Power Requirements

Main Power: (3x) 6 Amps @ 100-127 Volts AC or 3 Amps @ 200-240 Volts AC, 50/60 Hz

DM-PSU-3X8-RPS PoDM+ Redundant Power Supply



DM-PSU-3X8-RPS – Rear View

Redundant Power Supplies

Quantity/Type: (3) 500 Watts @ 56 Volts DC regulated, hot-swappable, variable speed fan cooled, Crestron model DM-PSUA-PWS (included)
Efficiency: 83% typical @ maximum load
Redundancy: Complete unit continues to operate at full capacity on two functioning power supply modules

Environmental

Temperature: 32° to 104° F (0° to 40° C)
Humidity: 10% to 90% RH (non-condensing)

Enclosure

Chassis: Metal, black finish, fan-cooled, vented sides and rear
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: 1.74 in (45 mm)
Width: 17.28 in (439 mm);
19.00 in (483 mm) with ears
Depth: 16.43 in (418 mm)

Weight

22.0 lb (10.0 kg)

MODELS & ACCESSORIES

Available Models

DM-PSU-3X8-RPS: PoDM+ Redundant Power Supply for DM 8G+® I/O Blades & DMPS3-4K-200/300-C

Included Accessories

DM-PSUA-PWS: Power Supply Module for DM-PSU-3X8-RPS (Qty. 3 included)
CBL-PWR-MON-7W2-8: Interconnect Cable for DM-PSU-3X8-RPS, 8 ft (Qty. 3 included)

Available Accessories

CBL-PWR-MON-7W2-20: Interconnect Cable for DM-PSU-3X8-RPS, 20 ft

Notes:

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.

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

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