



Pre-assembled indoor panel enclosure for Ethernet-to-DMX protocol conversion. Features an 8-port DMX/RDM gateway mounted in a NEMA 1 rated steel enclosure. Converts network-based lighting protocols (sACN, Art-Net) to eight individually configurable DMX512 output ports. Power-over-Ethernet powered for simplified installation with no local power supply required. BAA and BABA compliant for government projects.

KEY FEATURES

- ✓ 8 individually configurable DMX512/RDM ports (input or output)
- ✓ Power-over-Ethernet (PoE) powered - no additional power supply required
- ✓ Supports sACN (E1.31), Art-Net, and ShowNet protocols
- ✓ RDM controller functionality with E1.33 RDMnet support
- ✓ 1500V isolation between DMX ports with 60V fault protection
- ✓ Free configuration software with slot-by-slot patching
- ✓ NEMA 1 rated steel enclosure for permanent installation
- ✓ DIN rail mounted components for field serviceability
- ✓ Status LEDs for port activity, direction, and system status
- ✓ microSD card slot for configuration backup/restore
- ✓ BAA and BABA compliant - Made in USA
- ✓ 3-year manufacturer warranty on gateway component

SPECIFICATIONS

DMX Ports	8 individually configurable input/output	Power Input	PoE Class 2 (IEEE 802.3af) via external switch
DMX Standard	ANSI E1.11 DMX512-A R2013	Power Consumption	7W maximum
RDM Support	ANSI E1.20 Remote Device Management	Port Isolation	1500V between DMX ports
Protocol Support	sACN (E1.31), Art-Net, ShowNet, RDMnet (E1.33)	Fault Protection	60V on DMX ports
Ethernet	10/100 Mbps, RJ45 connector	Cloud Management	Cloud-based remote management supported

ELECTRICAL SPECIFICATIONS

PoE Class	Class 2 device (IEEE 802.3af)
Operating Voltage	24-48VDC (from PoE or auxiliary input)
Power Draw	7W maximum
DMX Output	ANSI E1.11 compliant, 250kbps
Contact Closure	Dry contact input for Pause RDM or DMX Force Hold

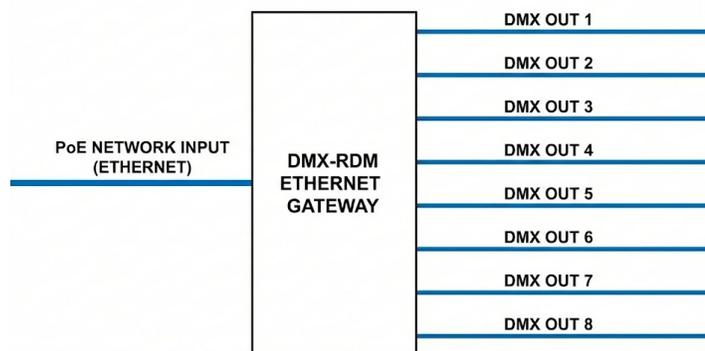
CE
RoHS
BAA (Buy American Act)
BABA (Build America Buy America)
FAR-889 Compliant

DIMENSIONS

Enclosure Height:	16 in (406mm)
Enclosure Width:	16 in (406mm)
Enclosure Depth:	6 in (152mm)
Gateway Module:	8.0 x 4.0 x 1.9 in (203 x 103 x 48mm)
Shipping Weight:	Approx. 18 lbs (8.2 kg)

SYSTEM ARCHITECTURE

DMX-RDM ETHERNET GATEWAY WIRING DIAGRAM



Notes

- Single PoE cable provides power and data
- Each DMX port supports up to 32 devices
- Configure ports as input or output per project
- RDM discovery available on all output ports
- Cascade multiple panels via network switch
- Maximum cable length: 100m per DMX run

MOUNTING

Wall mount using integral mounting flanges on enclosure corners. Provide single Cat5e/Cat6 cable from PoE switch for power and data. Position with cable knockouts facing downward when possible. Ensure PoE switch provides IEEE 802.3af compliant power. Configure gateway via Ethernet connection using included software.

ORDERING INFORMATION

Part Number	Description
CTRL-PNL-P8-P0E	PoE DMX Gateway Panel, 8-Port, NEMA 1 Enclosure

CE

RoHS

BAA (Buy American Act)

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Nuvospec

www.nuvospec.com

sales@nuvospec.com

(512) 615-9002