

PATHPORT DIN-MOUNT DMX/RDM ETHERNET GATEWAY



Models shown: 1. PWPP DIN P2
2. PWPP DIN P4
3. PWPP DIN P8

WARRANTY

3-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE

Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.



Pathport DIN-mount 4 or 8-Port Models support SixEye cloud-based remote management



OVERVIEW

The Pathport® series of DMX/RDM Ethernet Gateways are the heart of DMX distribution.

Connect DMX512 control devices and send data over an Ethernet network to DMX512-capable end-devices such as intelligent lighting fixtures, LEDs, dimmers, and more. Each port can be configured as an Input or Output as needed.

The compact Pathport® DIN-mount Gateways are designed for permanent installation and available in two, four, and eight port counts. They are configured using the free downloadable software, Pathscape.

Advanced features include extensive protocol support, slot-by-slot patching using multiple sources, cross-fading on priority change, and signal loss behavior. Different Ethernet protocols may be merged together and prioritized. Status LEDs provide instant confirmation of port activity.

FEATURES

- Convert DMX512 to Ethernet protocol for distribution
- Convert Ethernet protocol to DMX512 for end-devices
- Two, Four, or Eight DMX512 ports, individually configurable
- LED Indicators for Port Direction, Power, Ethernet link activity, and Identify
- DMX output configured as whole universes or custom slot-by-slot patch
- Map up to eight control sources to each output slot, with merge and/or priority options for each source
- Acts as E1.20 RDM controller, when used with free Pathscape configuration software or ANSI E1.33 RDMnet compliant controllers
- User-configurable DMX output speed and signal loss behavior
- Supports the following Ethernet sending and receiving protocols:
 - Pathway ssACN (Secure sACN)
 - E1.31 streaming ACN (sACN)
 - Art-Net
 - Pathport Protocol
 - ShowNet
- Operates on Power-over-Ethernet (PoE) or auxiliary 24-48VDC input
- Mounts to standard 35mm DIN rail
- Contact closure input configurable per port to Pause RDM or DMX Force Hold (P4 or P8)
- microSD card slot allows backup or restore of device configuration (P4 or P8)
- Also available in Wall-mount (PWPP WM) Rack Mount (PWPP RM), Portable (PWPP DT) and Wet Location IP65 (PWPP IP65) form factors

ORDERING INFORMATION

PWPP		EXAMPLE: PWPP DIN P4	
Series	Form Factor	Port Quantity	
PWPP Pathway Pathport DMX/RDM Ethernet Gateway	DIN DIN-mount	P2	2 DMX Ports (4.5")
		P4	4 DMX Ports (8.0")
		P8	8 DMX Ports (8.0")

Accessories			
PWPWR DIN TERM 100W 48VDC	Power Supply, DIN-mount, Compression Fit Terminal, 100 Watts, 48 Volts DC	PWENC MED HOR	DIN System Enclosure, Medium 10" x 23" x 4.5", Horizontal Rails
PWENC SHELF HOR	DIN System Enclosure, 2-RU Shelf unit with 2x16.5", Horizontal Rails	PWENC LRG VER	DIN System Enclosure, Large 18.5" x 31.5" x 6.25", Vertical Rails
PWENC SML VER	DIN System Enclosure, Small 10" x 13" x 4.5", Vertical Rails	PWCON SPARE IDC5 Q4	Connector, Spare, 5-Pin Insulation Displacement Contact Connector, (Qty 4)
PWENC MED VER	DIN System Enclosure, Medium 10" x 23" x 4.5", Vertical Rails	PWCON SPARE CSC5 Q4	Connector, Spare, 5-Pin Compression Screw Connector, (Qty 4)
PWENC SML HOR	DIN System Enclosure, Small 10" x 13" x 4.5", Horizontal Rails	PWCON SPARE IDC3 Q4	Connector, Spare, 3-Pin Insulation Displacement Contact Connector, (Qty 4)
		PWCON SPARE CSC3 Q4	Connector, SPARE, 3-Pin Compression Screw Connector, (Qty 4)

SPECIFICATIONS

Electrical	Input Ratings	<p>PWPP DIN P2 PoE Class 1 device 18-48VDC auxiliary power input 4W maximum power consumption</p> <p>PWPP DIN P4 or P8 PoE Class 2 device 24-48VDC auxiliary power input 7W maximum power consumption Dry Contact Closure</p>
	Isolation & Fault Protection	<p>PWPP DIN P2 60V fault protection on DMX ports</p> <p>PWPP DIN P4 or P8 1500V isolation between DMX ports 60V fault protection on DMX ports</p>
	Regulatory Compliance	CE
Mechanical	Dimensions	<p>PWPP DIN P2 4.5" W x 4" H x 1.9" D (113mm W x 103mm H x 48mm D)</p> <p>PWPP DIN P4 8.0" W x 4" H x 1.9" D (203mm W x 103mm H x 48mm D)</p> <p>PWPP DIN P8 8.0" W x 4" H x 1.9" D (203mm W x 103mm H x 48mm D)</p>
	Weight:	0.4 lbs (0.18 kg)
	Environmental	<p>Operating Temperature 14°F to 113°F (-10°C to 45°C)</p> <p>Relative Humidity 5-95%, non-condensing</p> <p>Standard Compliance RoHS 2011/65/EU + A1 2015/863</p>
General	Compliance	ANSI E1.11 DMX512-A R2013 ANSI E1.20 RDM - Remote Device Management ANSI E1.31 sACN - Streaming ACN Art-Net Strand ShowNet Pathway ssACN ANSI E1.33 RDMnet - RDM over IP IEEE 802.3af Power-over-Ethernet Class 2 Low Voltage California Title 1.81.26, Security of Connected Devices FAR-889 Section 889(a)(1)(A) and Section(a)(1)(B)
Government Procurement	<p>BAA Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.</p> <p>BABA Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.</p> <p>Please refer to www.acuitybrands.com/buy-american for additional information.</p>	

PART NUMBER CROSS-REFERENCE

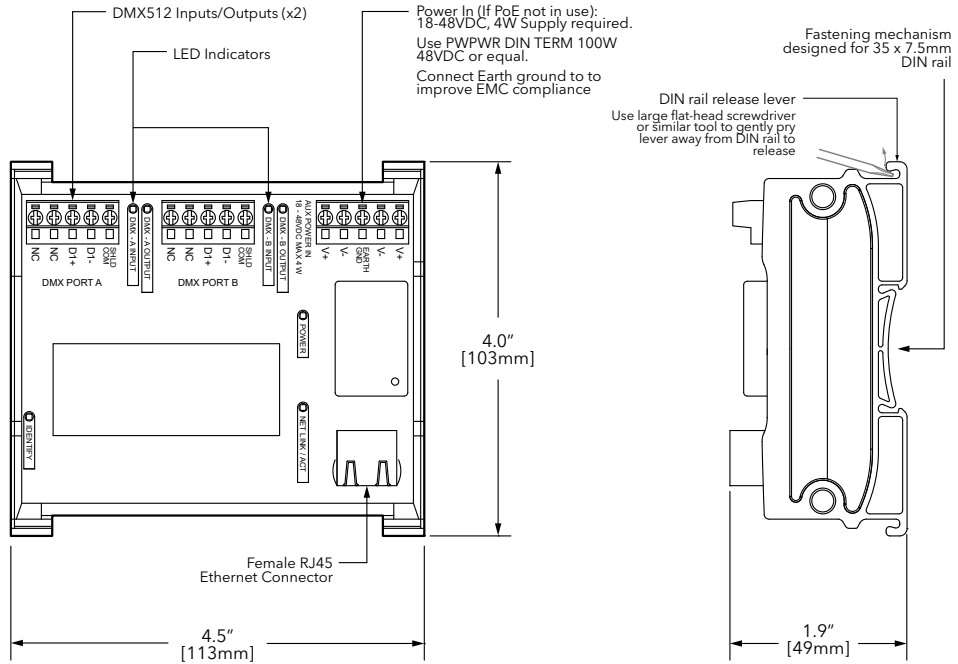
PREVIOUS		NEW	
Part Number	Catalog Number	Description	
6822	PWPP DIN P2	Pathport, DIN-mount, 2-Ports (4.5")	
6824	PWPP DIN P4	Pathport, DIN-mount, 4-Ports (8")	

WIRING

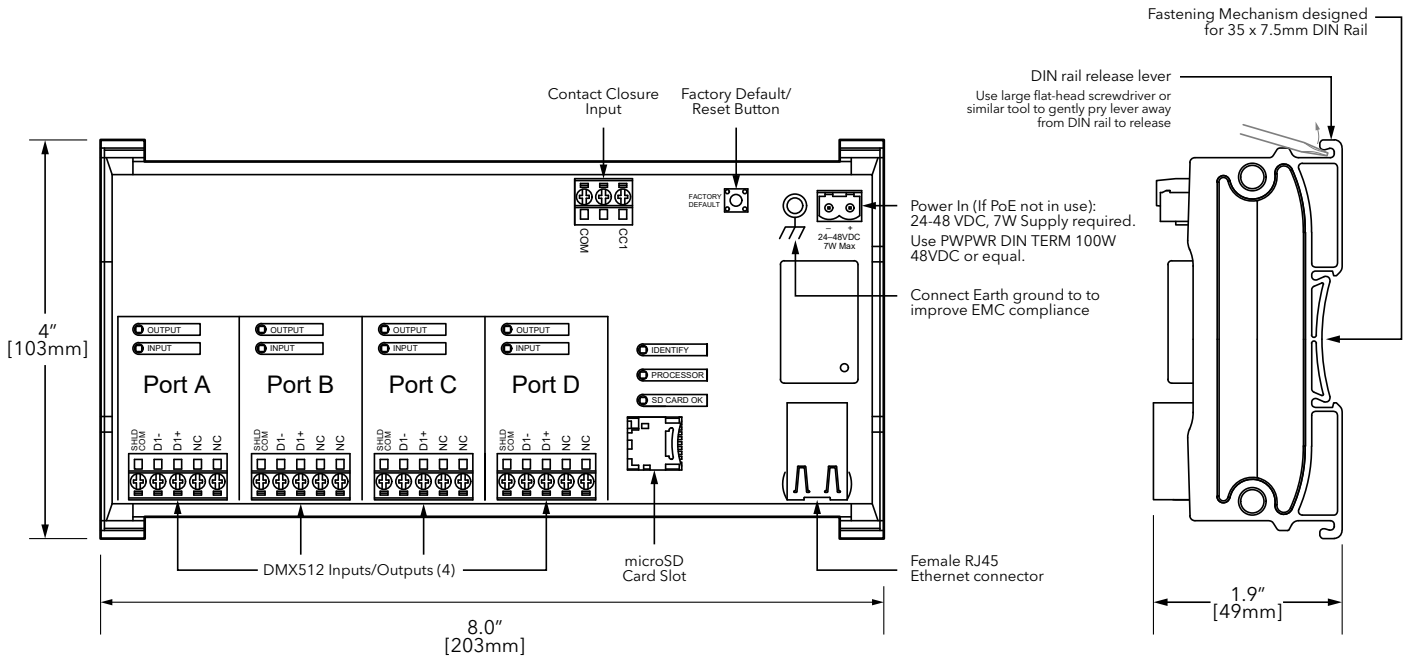
DMX512 / RDM PINOUT		
Purpose	XLR / Terminal Block Pin #	RJ45 PIN # and Wire Color
Common	1	7 - White / Brown
Data - (complement)	2	2 - Orange
Data + (true)	3	1 - White / Orange
Not Used	4	6 - Green
Not Used	5	3 - White / Green
Not Used - Do Not Connect	N/A	4 - Blue
Not Used - Do Not Connect	N/A	5 - White / Blue
Not Used - Do Not Connect	N/A	8 - Brown

DIMENSIONS

PWPP DIN P2

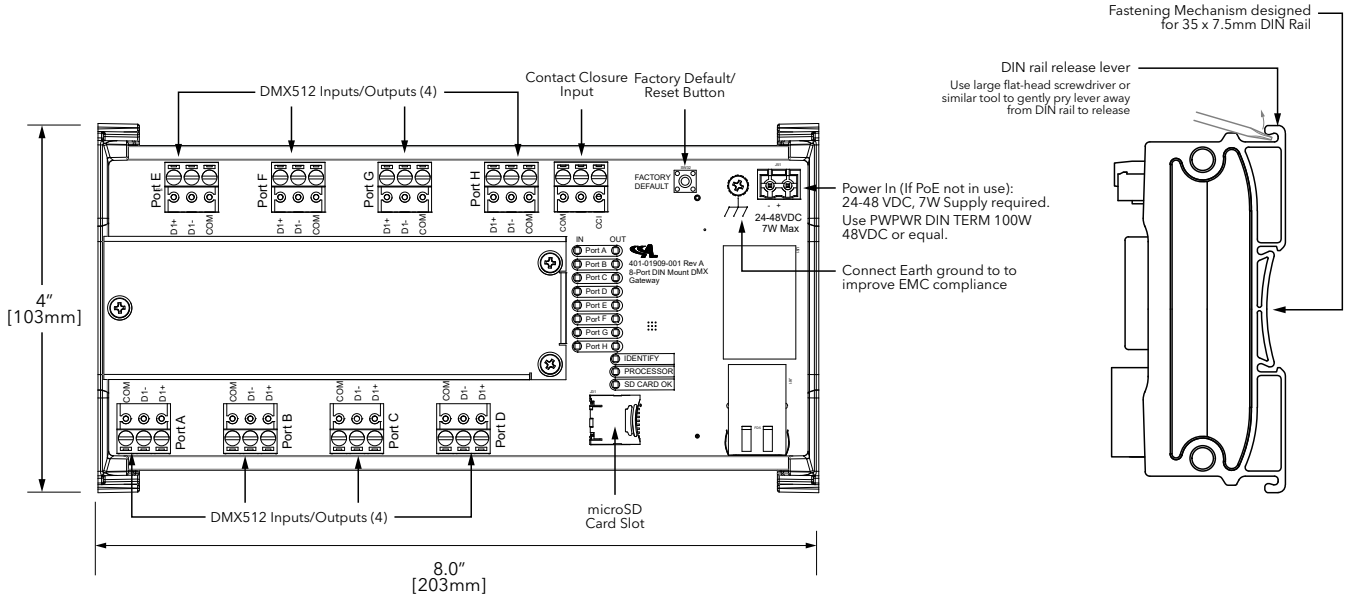


PWPP DIN P4



DIMENSIONS

PWPP DIN P8



APPLICATION RISER

