Pathway ®
Connectivity Solutions

PATHPORT WALL-MOUNT
DMX/RDM ETHERNET GATEWAY

Model shown: PWPP WM P1 XLR5F BL

WARRANTY

3-year limited warranty. Complete warranty terms located at: https://www.acuitybrands.com/support/warranty

NOTE

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

BAA BABA

OVERVIEW

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

The Pathport® Wall-mount 1-Port Gateway is ideal for venues and applications where a simple and inconspicuous single DMX Port is needed.

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. The port can be configured as an Input or Output as needed.

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 back to DMX512 for end devices
- One configurable DMX port
- 10 Mbps Ethernet port (PoE)
- LED Indicators for DMX status and Ethernet link activity
- 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 DMX-over-Ethernet sending and receiving protocols:
  - Pathway ssACN (Secure sACN)
  - E1.31 streaming ACN (sACN)
  - Art-Net
  - Pathport Protocol
  - ShowNet
- Elegant design suitable for any location; includes attractive single-gang faceplate
- Operates on Power-over-Ethernet (PoE) or auxiliary 24-48VDC input
- Also available in DIN-mount (PWPP DIN) form factor

ORDERING INFORMATION

PWPP									**EXAMPLE: PWPP WM P1 XLR5F BL**
Series		**Form Factor**		**Port Quantity**		**Port Type**		**Finish**	
PWPP	Pathway Pathport DMX/RDM Ethernet Gateway	WM	Wall-mount	P1	1 DMX Port	XLR5M	XLR 5-Pin Male	SS	Stainless Steel
						XLR5F	XLR 5-Pin Female	BL	Black

Accessories	
PWACC WMP1	Pathway Accessory, Pathport Single Gang Wall Mount Enclosure (c/w knockouts)

SPECIFICATIONS

Electrical	**Input Ratings**	PoE Class 1 device 24-48VDC auxiliary power input 4W maximum power consumption
	Isolation & Fault Protection	60V fault protection on DMX port
	Standard Compliance	CE

Mechanical	**Dimensions**	1.3" W x 4.1" H x 2.0" D (33mm W x 104mm H x 52mm D)
	Weight	0.2 lbs (0.09 kg)

Environmental	**Warrantied Operating Temperature**	14°F to 122°F (-10°C to 50°C)
	Relative Humidity	5-95%, non-condensing
	Standard Compliance	RoHS 2011/65/EU + A1 2015/863

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 California Title 1.81.26, Security of Connected Devices

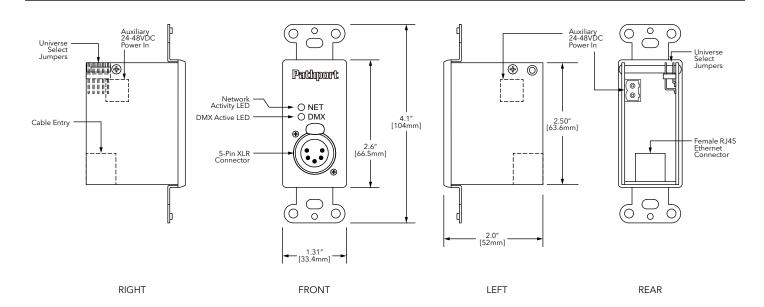|		
Government Procurement	**BAA**	Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.
	BABA	Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
		Please refer to www.acuitybrands.com/buy-american for additional information.

PART NUMBER CROSS-REFERENCE

PREVIOUS	NEW	
Part Number	**Catalog Number**	**Description**
6101SS	PWPP WM P1 XLR5M SS	Pathport, Wall-mount, 1-Port, XLR 5-Pin Male, Stainless Steel
6102SS	PWPP WM P1 XLR5F SS	Pathport, Wall-mount, 1-Port, XLR 5-Pin Female, Stainless Steel
6101BL	PWPP WM P1 XLR5M BL	Pathport, Wall-mount, 1-Port, XLR 5-Pin Male, Black
6102BL	PWPP WM P1 XLR5F BL	Pathport, Wall-mount, 1-Port, XLR 5-Pin Female, Black

WIRING

DMX512 / RDM PINOUT		
Purpose	**XLR / Terminal Block Pin #**	**RJ45 PIN # and Wire Color**
Shield / 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

RIGHT

Universe Select Jumpers

Auxiliary 24-48VDC Power In

Cable Entry

FRONT

Network Activity LED — NET

DMX Active LED — DMX

5-Pin XLR Connector

4.1" [104mm]

2.6" [66.5mm]

1.31" [33.4mm]

LEFT

Auxiliary 24-48VDC Power In

2.50" [63.6mm]

2.0" [52mm]

REAR

Universe Select Jumpers

Female RJ45 Ethernet Connector

Pathport

APPLICATION RISER

NEMA Wall Enclosure
PWENC SML HOR typical

Configuration Laptop
running Pathscape

PWVIA DIN P8 RJ45
SFPSLOT POE
Ethernet Switch

Ethernet

PWPP WM P1 XLR5M
Pathport Gateway

Architectural Preset System

DMX512

Ethernet w/ PoE

PWPP WM P1 XLR5F
Pathport Gateway

DMX512
Dimmer Rack

DMX512

PWPP WM P1 XLR5M
Pathport Gateway

DMX512

PWPP WM P1 XLR5F
Pathport Gateway

DMX512

Intelligent Fixtures

PWCOG DT
Lighting Console