CATALOG NUMBER **PWVIA DIN RJ45 POE**

DATE

PROJECT

VIA DIN-MOUNT
ENTERTAINMENT ETHERNET SWITCH

Models shown: **1. PWVIA DIN P8 RJ45 SFPSLOT POE**
2. PWVIA DIN P16 RJ45 SFPSLOT POE

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.

SixEye CONNECTED — VIA switches support **SixEye** cloud-based remote management

OVERVIEW

The VIA™ series of Ethernet Switches are designed specifically for lighting, sound and video signal distribution in all entertainment production systems, including live shows.

Unlike switches designed and marketed for office and communication applications, VIA switches are convection cooled and ship unmanaged, pre-configured and optimized for entertainment network use.

Advanced management features, including VLAN Support, EAPS Ring Protection, IGMP, and more are enabled and configured through the free downloadable software, Pathscape. Port LEDs provide instant confirmation of port PoE and Link activity.

The VIA DIN-mount Ethernet Switches provide all the same robust features of our Rack-mount Switches but in a convenient, more compact, DIN-mountable form factor, suitable for permanent installation.

FEATURES

- 8 or 16 RJ45 Ethernet ports
- 8 Ports [P8 Model] or 12 Ports [P16 Model] support PoE
- Port speeds are 10/100/1000Base-T [P8 model], or 10/100Base-T [P16 model]
- Two mini-GBIC ports for SFP [P16 model] or SFP+ [P8 Model] fiber modules
- Supports SFP/SFP+ Direct-Attach cables, both active and passive [P8 Model Only]
- Acts as Power-over-Ethernet (PoE) source to connected devices, up to 15W per port
- Features include IGMP Querier and Snooping, DHCP server per VLAN, EAPS Ring Protecting, RSTP, Dante-compliant QoS options
- Art-Net to sACN conversion
- LED Indicators for Device Status/ Processor, global PoE status, Port PoE and connected device Link Status
- Settable properties include Switch Name, Port Name, IP Address, Subnet Mask, Default Gateway, VLAN Configuration, Link Speed, PoE Allocation, DHCP Pool
- Reported properties include PoE Usage, Serial Number, MAC Address, Firmware Version, Connected Devices (LLDP), Ring Status, Link Status, Port Status, Bandwidth Usage, Switch Chip Temperature
- Operates on 20-50VDC input
- Mounts to standard 35mm DIN rail
- Silent operation; fanless, convection-cooled design
- Also available in Rack-mount (PWVIA RM) form factor

ORDERING INFORMATION

PWVIA									**EXAMPLE: PWVIA DIN P16 RJ45 1GSFP POE**
PWVIA		**DIN**			**RJ45**			**POE**	
Series		**Form Factor**		**Port Quantity**	**Port Type**		**Additional Ports**	**PoE Enabled**	
PWVIA	Pathway VIA Ethernet Switch	DIN	DIN-mount	P8[1] 8 Ethernet Ports P16[2] 16 Ethernet Ports	RJ45	RJ45 Connector	SFPSLOT 2 SFP Slots, Emtpy 1GSFP[3] SFP 850nm 1GB Ethernet Optical Transceiver 10GSFPP[3] SFP+ 850nm 10GB Ethernet Optical Transceiver	POE	PoE Enabled

Notes

1. P8 available with SFPSLOT, 1GSFP, or 10GSFPP.
2. P16 available with SFPSLOT or 1GSFP.
3. If selecting either 1GSFP or 10GSFPP, note this option will ship with 2x SFP transceivers, one per port.

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	**PWACC SFP**	Pathway Accessory, SFP+ 850nm 10GB Ethernet Optical Transceiver (VIA8)
PWENC MED VER	DIN System Enclosure, Medium 10" x 23" x 4.5" , Vertical Rails	**PWACC SFPP**	Pathway Accessory, SFP 850nm 1GB Ethernet Optical Transceiver (VIA8, VIA16)
PWENC SML HOR	DIN System Enclosure, Small 10" x 13" x 4.5", Horizontal Rails	**PWACC RJPATCH Q4**	Pathway Accessory, DIN RJ45 patch (3.5" of rail for 4), (Qty 4)

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Pathway Connectivity | #103 - 1439 17th Ave SE Calgary, AB Canada T2G 1J9
Phone: + 1 866 617 3074 www.pathwayconnect.com

SPECIFICATIONS

Electrical

Input Ratings

Switch Only (No PoE usage)
20-50VDC power input
10W maximum power consumption

PWVIA DIN P8 with PoE devices
48-50VDC power input
130W maximum power consumption (10W for switch, 120W distributed to connected PoE devices)

PWVIA DIN P16 with PoE devices
48-50VDC power input
190W maximum power consumption (10W for switch, 180W distributed to connected PoE devices)

Output Ratings

PWVIA DIN P8
Class 3 PoE available on Ports 1-8 (maximum 15.4W per port)

PWVIA DIN P16
Class 3 PoE available on Ports 1-12 (maximum 15.4W per port)

Regulatory Compliance

CE

Mechanical

Dimensions

PWVIA DIN P8 6.25" W x 4" H x 2.9" D (159mm W x 103mm H x 74mm D)
PWVIA DIN P16 8.0" W x 4" H x 3.1" D (203mm W x 103mm H x 79mm D)

Weight

PWVIA DIN P8 1.05 lbs (0.47 kg)
PWVIA DIN P16 1.08 lbs (0.49 kg)

Environmental

Operating Temperature

14°F to 113°F (-10°C to 45°C)

Relative Humidity

5-95%, non-condensing

Standard Compliance

RoHS 2011/65/EU + A1 2015/863

General

Compliance

ANSI E1.31 sACN - Streaming ACN
IEEE 802.3 Ethernet
IEEE 802.3af Power-over-Ethernet (with external supply)
IEEE 802.1AB Link Layer Discovery Protocol
IEEE 802.1Q VLAN support
IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)
IETF EAPS - Ethernet Automatic Protection Switching
IETF IGMPv2 - Internet Group Management Protocol
Dante QoS - Quality of Service
California Title 1.81.26, Security of Connected Devices

PART NUMBER CROSS-REFERENCE

PREVIOUS	NEW	
Part Number	**Catalog Number**	**Description**
6708	PWVIA DIN P8 RJ45 SFPSLOT POE	VIA, DIN-mount, 8-Ports, RJ45 Connector, Empty SFP Slots, PoE Enabled
6716	PWVIA DIN P16 RJ45 SFPSLOT POE	VIA, DIN-mount, 16-Ports, RJ45 Connector, Empty SFP Slots, PoE Enabled

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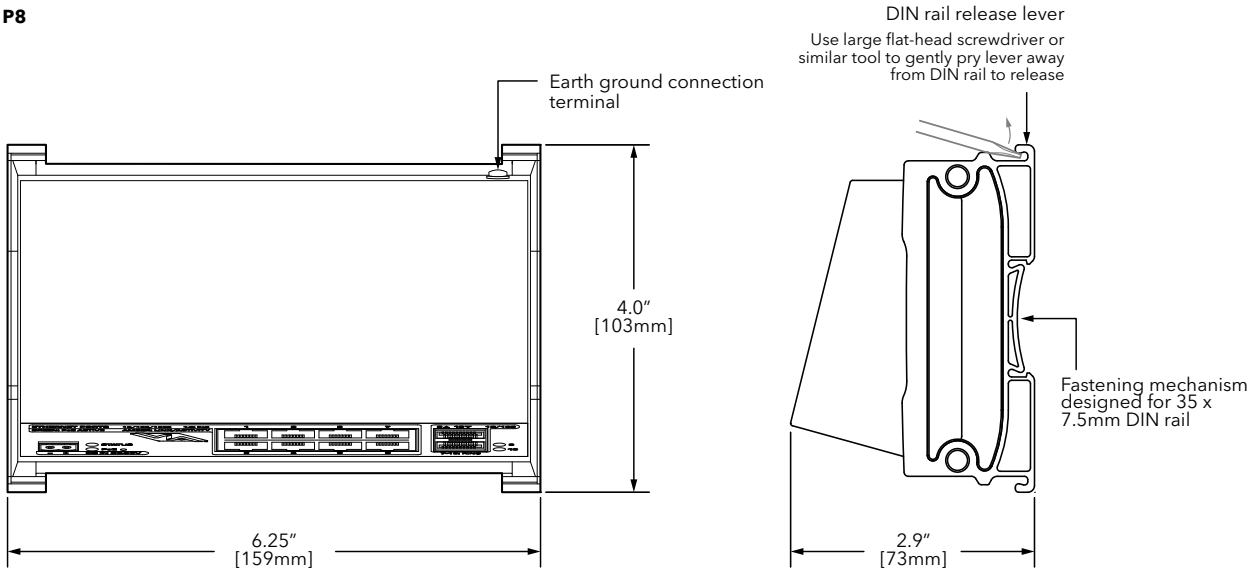
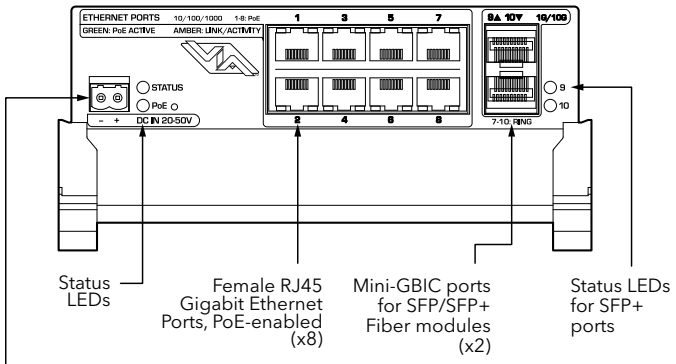
DIMENSIONS

PWVIA DIN P8





Power In:
PWPWR DIN TERM 100W 48VDC or equal for PoE operation; power consumption depends on attached devices' power requirements

PWPWR DIN TERM [xxxx] 24VDC for Switch only, no PoE

Connect Earth ground to improve EMC compliance

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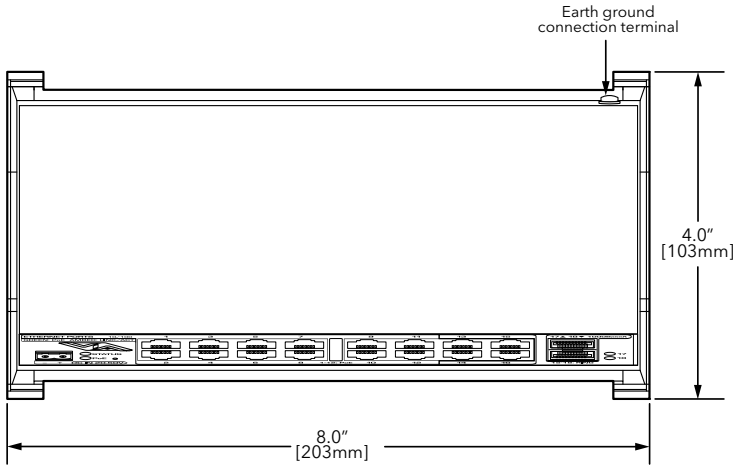
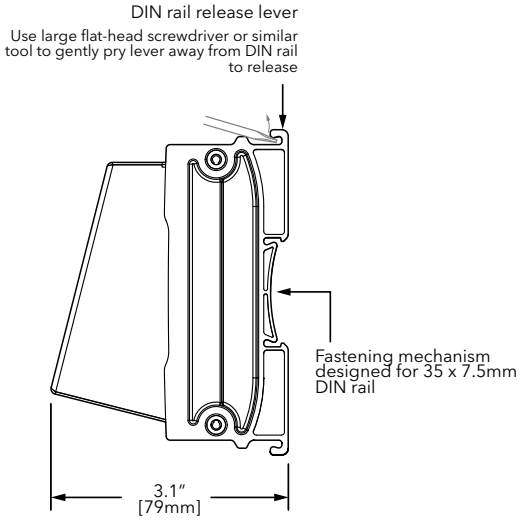
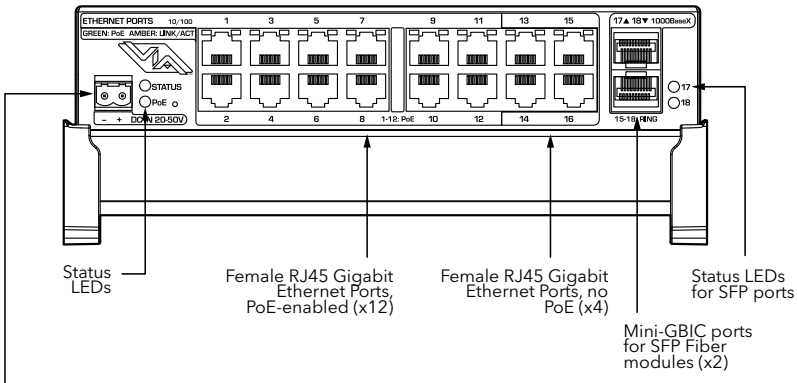
DIMENSIONS

PWVIA DIN P16







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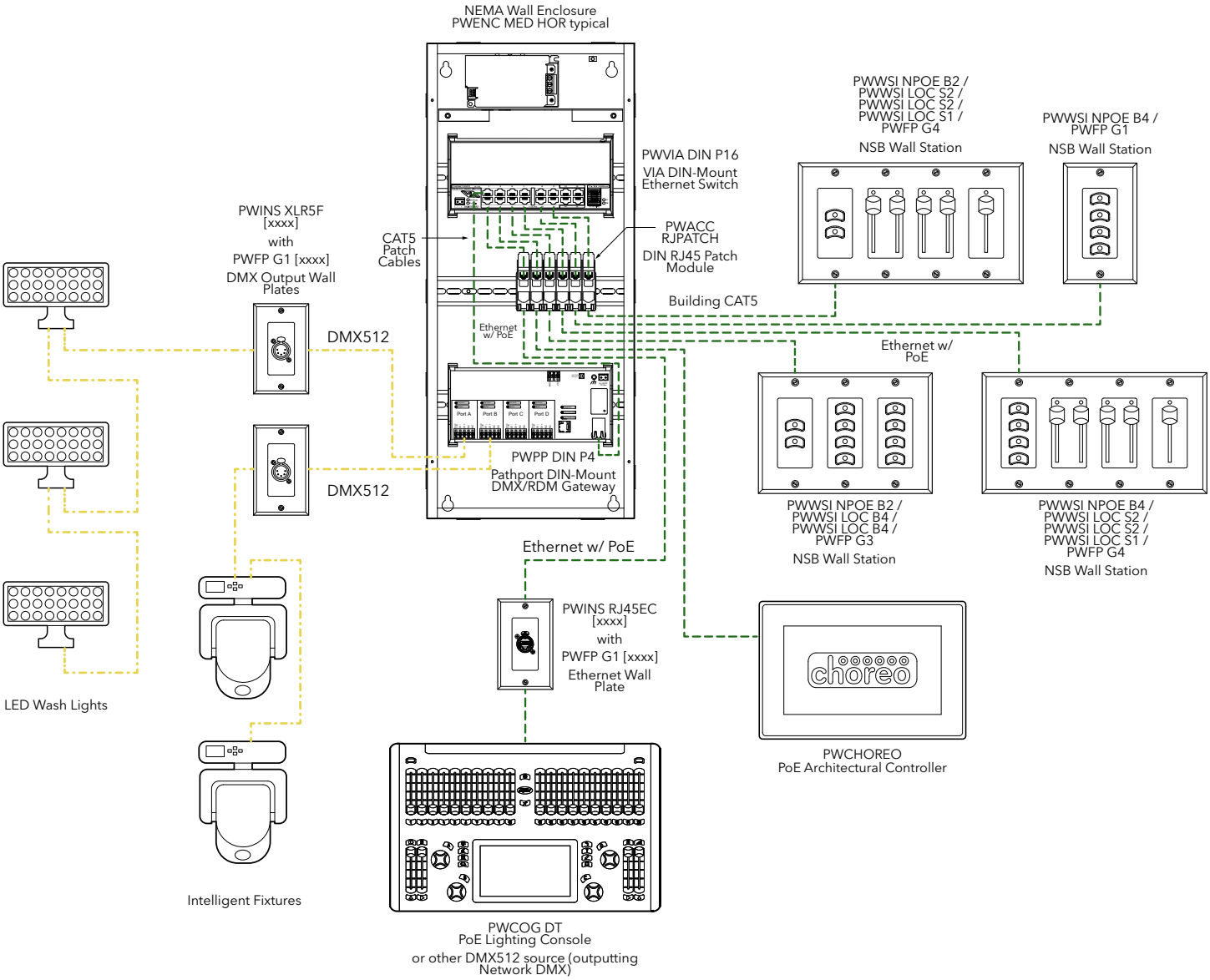
APPLICATION RISER



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