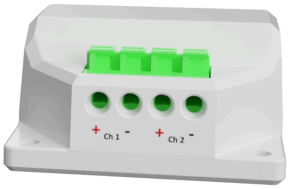
XPD-P2H

2-channel X-PoE® powered device

Data sheet





PRODUCT OVERVIEW

The X-PoE® powered device serves as an intermediary between the X-PoE® port and the connected LED lights or other devices, enabling power transmission and providing support for high power outputs.

The PD takes the RJ45 connection from an X-PoE® port and converts it to two separate channels, each with a pair of positive (+) and negative (-) conductors. These channels are used for powering LEDs or other compatible devices.

The PD is capable of providing a total power output of up to 130W, and can be daisy-chained to extend the power delivery to additional fixtures or devices.

CONFIGURATIONS

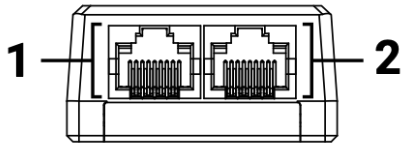
XPD-P2H-G: X-PoE® powered device with X-PoE® default Class G (manual channel configuration, defaults to 100mA per channel) power detection.

Note: Auto configuration uses X-PoE® class negotiation so the upstream port automatically sets per-channel current on power-up. Manual configuration requires the per-channel current to be set on the upstream X-PoE® source.

FEATURES

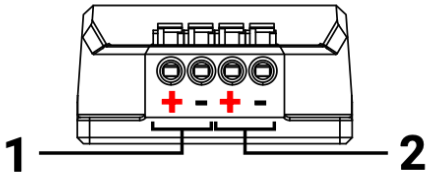
Power and connectors	(2) X-PoE® RJ45 ports (input and pass-through) with (2) output channels for optional individual control or connection to independent light engines
	Up to 130W total output power
	X-PoE® power pass-through for daisy-chained devices
	Automatic per-channel configuration with the upstream port
Easy installation	Designed for low-voltage lighting power delivery
	Supports daisy chaining to extend power delivery to additional fixtures or devices
	Stab-in output connectors accept 14-26 AWG wires
Certifications	UL 2108, CSA-C22.2 No. 250.2, X-PoE®
Warranty	5-year limited warranty

X-POE INPUTS



1. X-PoE Power Input
2. X-PoE Power Pass-Thru

LED OUTPUTS



1. Channel 1 Output + / - (14-26AWG Wires)
2. Channel 2 Output + / - (14-26AWG Wires)

Specifications extracted from docs.luum.io and should be validated against latest release.

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TECHNICAL SPECIFICATIONS

Category	Specification	XPD-P2H
MECHANICAL	Dimensions	40.3 mm x 44.8 mm x 22.5 mm (1.59 in x 1.76 in x 0.89 in)
	Weight	0.46 lb (0.21 kg)
INTERFACES	Interfaces	(2) RJ45 X-PoE ports (input and pass-through), (2) individually controlled X-PoE lighting LED +/- outputs
ELECTRICAL	Power Input	24VDC to 57VDC input from X-PoE port
	Maximum Power Consumption	130W (at 57VDC) with both channels fully loaded at 100% Note: Maximum output power is dependent upon the input voltage and the forward voltage of the connected light engine.
ENVIRONMENT	Operating Temperature	-20 °C to +35 °C (-4 °F to 95 °F) indoor dry or damp locations only Note: Devices may operate at higher or lower temperatures depending on enclosure and installation conditions.
	Storage Temperature	-20 °C to +50 °C (-4 °F to +122 °F)
GENERAL	Certifications	UL 2108, CSA-C22.2 No. 250.2, X-PoE®
	Warranty	5-year limited warranty

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