XPD-T2P

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.

CONFIGURATIONS

XPD-T2P-G: X-PoE® powered device with X-PoE® default Class G (manual channel configuration, defaults to 100mA per channel) power detection.

XPD-T2P-C12: X-PoE® powered device with X-PoE® Class 12 (auto port configuration, 1,200mA 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	(1) X-PoE® RJ45 input with (2) output channels for optional individual control or connection to independent light engines
	Up to 130W total output power
	Automatic per-channel configuration with the upstream port
Easy installation	Designed for low-voltage lighting power delivery
	Panel-mount form factor with included gasket and panel nut for secure mounting
	Pigtail output leads for direct wiring to LED fixtures or light engines
Ingress protection	IP68-rated weatherproof protection with the optional XPD-T2P-WPKIT accessory
Certifications	UL 2108, CSA-C22.2 No. 250.2, X-PoE®
Warranty	5-year limited warranty

X-POE INPUT & LED OUTPUTS



1. X-PoE Power Input
2. Panel Nut
3. Gasket
4. X-PoE Outputs
- Channel 1 Output (RED + / WHITE -)
- Channel 2 Output (YELLOW + / BLUE -)

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TECHNICAL SPECIFICATIONS

Category	Specification	XPD-T2P
MECHANICAL	Dimensions	56.3 mm x 28 mm x 28 mm (2.2 in x 1.1 in x 1.1 in), not including wires
	Panel Cut-Out	22.2 mm (0.875 in)
	Weight	0.02 lb (0.01 kg)
INTERFACES	Interfaces	(1) RJ45 X-PoE input port, (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) 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)
	Ingress Protection	IP68 waterproof rating with the optional XPD-T2P-WPKIT accessory
GENERAL	Certifications	UL 2108, CSA-C22.2 No. 250.2, X-PoE, IP68 (with XPD-T2P-WPKIT)
	Warranty	5-year limited warranty

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