

# XPD Power Device

**AGILE-CORE<sup>®</sup>**  
Distributed Edge Architecture

PROJECT:

QTY:

TYPE:

CATALOG:



XPD-P2H-G



XPD-T2P-G



XPD-T2P-WPKIT

## SYSTEM OVERVIEW

The AGILE-CORE™ Distributed Edge Architecture solution is an intelligent power distribution and control system that leverages safe DC power to reduce the total installed and operating cost of a project while providing the best IT and OT networks possible.

## OVERVIEW

The powered device serves as an intermediary between the Ethernet port of the LUUM XS DC LIGHTING & POWER CONTROLLER (DCLP) and the connected LED lights or other devices, enabling power transmission and providing support for high power outputs. The XPD-P2H and XPD-T2P takes the RJ45 connection and converts it to two separate channels with a pair of positive (+) and negative (-) conductors.

## FEATURES:

- Power output of up to 130W
- May be pre-terminated to a luminaire or installed in the field
- RJ45 input

## SPECIFICATIONS:

### Electrical

- Power Input:  
48VDC to 57VDC from the LUUM XS DC LIGHTING & POWER CONTROLLER
- Max Power:  
130W (at 57VDC) with both channels fully loaded at 100% (65W per channel)

### Mechanical

- Dimensions:
  - XPD-P2H-G: 45.5 mm x 22.3 mm x 40.7 mm (1.8 in x 0.9 in x 1.6 in)
  - XPD-T2P-G: 56.3 mm x 28 mm x 28 mm (2.2 in x 1.1 in x 1.1 in) \*Not including wires
- Interfaces:
  - XPD-P2H-G:**
    - (1) RJ45 X-PoE Input Port, (1) RJ45 X-PoE Pass-Thru Port & (2) Individually Controlled LED +/- Terminal Pairs.
    - Output connectors: 14 - 26 AWG
  - XPD-T2P-G:**
    - (1) RJ45 X-PoE Input Port & (2) Individually Controlled LED +/- Outputs
    - Channel 1 Output (RED + / WHITE -);
    - Channel 2 Output (YELLOW + / BLUE -)

### Environmental

- \*\*Operating Temp:  
-20°C to +35°C (-4°F to +95°F)
  - Storage Temp:  
-20°C to +50°C (-4°F to +122°F)
  - Humidity:  
(XPD-P2H-G) 10% to 90% non-condensing  
(XPD-T2P-G) has an IP68 Waterproof Rating
- \*\*Devices may operate at higher or lower temperatures depending on enclosure and installation conditions.

### Listings

- XPD-P2H-G: UL2108, CSA-C22.2 No. 250.2, XPOE
- XPD-T2P-G: UL2108, CSA-C22.2 No. 250.2, XPOE, IP68 (when used with cap XPD-T2P-WPKIT)

### Warranty

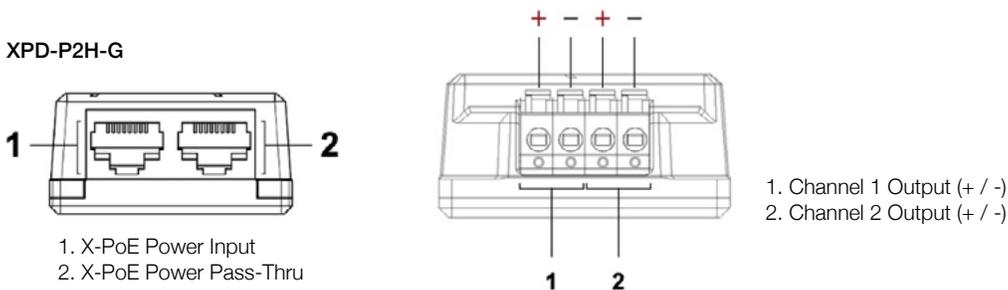
5-year limited warranty

## ORDERING GUIDE:

Catalog Number	Description
XPD-P2H-G	AGILE-CORE™ PD w/ (2) RJ45 & (1) 2 CH terminal block
XPD-T2P-G	AGILE-CORE™ PD w/ (1) RJ45 & 2 CH flying leads
XPD-T2P-WPKIT	Power device waterproof cap for XPD-T2P

## DIAGRAMS

XPD-P2H-G



XPD-T2P-G

