

# DiGidot PXLNET Transmitter

Project

Date



## PRODUCT DESCRIPTION

The DiGidot PxLNet Transmitter is a data range extender that converts SPI signals to the DiGidot PxLNet protocol.

PxLNet is used to transmit SPI signals to receiver modules up to 250 meters away.

You can also use the PxLNet Transmitter to convert DMX TTL (which can be selected as output protocol in the DiGidot C4) to regular and balanced DMX512. This allows you to get four DMX universes out of the DiGidot C4 instead of two.

Note: In order to send SPI protocols you also need DiGidot receiver modules. The DiGidot PxLNet Transmitter operates at 12-24 Volts DC and automatically powers the DiGidot C4. By default the DiGidot PxLNet Transmitter can only be used for Data only SPI protocols (Not for Data+Clock).

## FEATURES

- Connects directly to DiGidot C4 IO port
- Converts SPI and DMX TTL to PxLNet and DMX respectively
- Flexible operating voltage from 12 to 24 V DC
- 4 isolated RJ45 bus ports for PxLNet
- Built in power supply for DiGidot C4
- Can be used with any third-party SPI controller

## Part Number

Part #	Description
050211	DiGidot PxLNet Transmitter



Specifications may be modified or improved without notification

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## TECHNICAL SPECIFICATIONS

### Electrical

Input Voltage: 12-24 VDC  
 Max. power consumption: 1 Watt

### Mechanical

Dimensions: 2.56 x 2.56 x 0.98" | 65 x 65 x 25 mm (L x W x H)  
 Net weight: 2.61oz | 74gr

### Environmental

Operation Temperature (Tc): 32 to 122°F | 0 to 50°C  
 Max. ambient Temp. (T<sub>max</sub>): 104°F | 40°C  
 Storage temperature: -4 to 122°F | -20 to 50°C  
 Max. operating relative humidity: 90% (indoor use only)

### Protection

IP rating: IP40 (indoor use only)  
 DC input: Overvoltage protection (max. 24VDC)  
 Reverse polarity protection: Yes

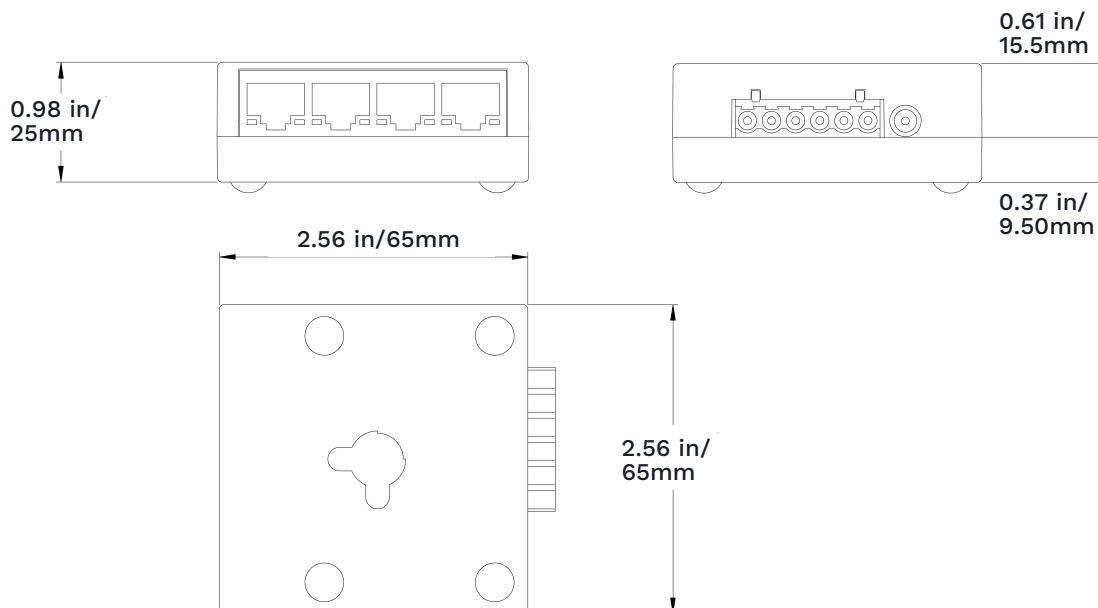
### Connectivity

Power wiring: Recommended: max. 2,5 mm<sup>2</sup> | 14 AWG

### Quality

Warranty: 5 years carry in factory warranty  
 Components: RU Certified  
 Compliances: CE, RoHS, ETL, UL Listed  
 Applied standards: EN60950-1:2006 +A11:2009 + A1:2010 + A12:2011 + A2:2013, IEC60950-1 / EN60950-1, EN61006-6-3, EN55032

## TECHNICAL DRAWINGS



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