

Date Project

Notes

PXLNET TRANSCEIVER KIT

The PxLNet Transceiver Kit contains four (4) PxLNet Transceivers and one (1) PxLNet Transmitter. Together the transceivers and transmitter extend the range of C4 Extended and C4 Live controllers through the PxLNet protocol.

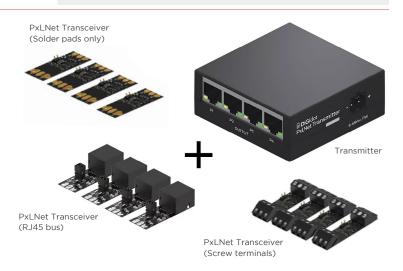
- · Transmit and receive data
- SPI or DMX conversions
- Boost SPI signals up to 820 ft (250 m)
- Boost DMX signals up to 1640 ft (500 m)

Applications:

Commercial Entertainment Mealthcare

Hospitality Museums Residential Retail

care Public Spaces



C € RoHS

ORDERING GUIDE

Category

CTRLPIXELTRKITSP - PxLNet Transceiver Kit (Solder pads only)

CTRLPIXELTRKITST - PxLNet Transceiver Kit (Screw terminals)

CTRLPIXELTRKITRJ - PxLNet Transceiver Kit (RJ45 bus)

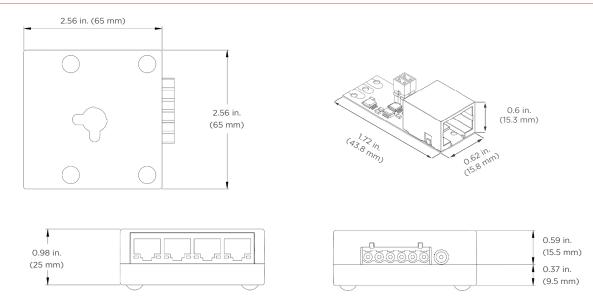
SPECIFICATIONS

Input Power				
IPOO	Input Power	5-24V DC		
DC Input Overvoltage protection (max. 60V DC) Control DMX, SPI Number of Channels 8 universes Connection Options RJ45 bus, screw terminals or solder pads Wire Sizes Solder pad wiring Terminal wiring power Recommended: 3-5 mm² 20-24 AWG Recommended: 3-5 mm² 20-24 AWG / Max. 2.5 mm² 14 AWG Environment Indoor use Operating Temperature -4° - 113° F (-20° - 45° C) Compliences CE, ROHS Standards EN60950-1:2006 +A11:2009 + A1:2010 + A12:2011 + A2:2013, IEC60950-1 / EN60950-1, EN61006-6-3, EN55032 Dimensions (L x W x H) 1.71 x 0.59 x 0.55 in. (43.5 x 15 x 14 mm)	Power Consumption	1W		
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Weight 0.013 lb (6 g)	Dimensions (L x W x H)	1.71 x 0.59 x 0.55 in. (43.5 x 15 x 14 mm)		
	Weight	0.013 lb (6 g)		
Warranty 2 years	Warranty	2 years		

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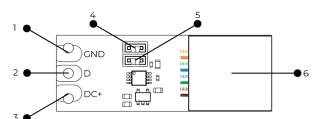
DIMENSIONS



DIAGRAMS

1. Power (GND/DC-)

- 2. BUS I/O (Data Out)
- **3.** Power (DC+ / 5-24 V)
- 4. Jumper (Ground lift)
- 5. Jumper (Tx / Rx mode)
- 6. RJ45 (Data input)



Topside

Pin 1: Orange/White = (DMX) Data +

Pin 2: Orange = (DMX) Data -

Pin 3: --

Pin 4: --

Pin 5: --

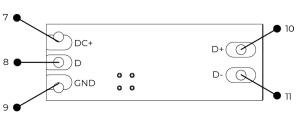
Pin 6: --

Pin 7: Brown/White = (DMX) GND/DC -

Pin 8: Brown = (DMX) GND/DC

Bottomside

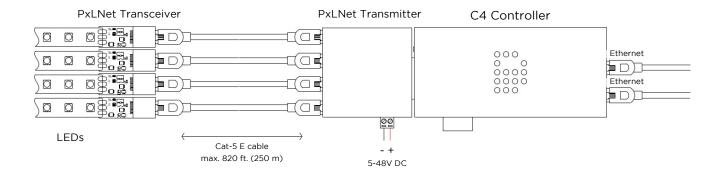
- **7.** Power (DC+ / 5-24 V)
- 8. BUS I/O (Data Out)
- 9. Power (GND/DC-)
- **10.** BUS I/O (Data + In)
- 11. BUS I/O (Data In)





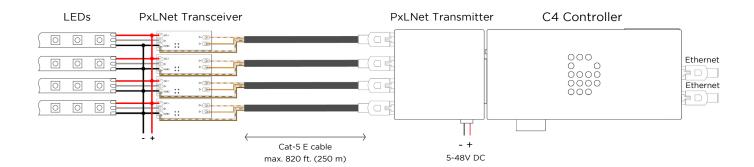
WIRING DIAGRAM 1

DiGidot C4 with PxLNet Transmitter connected by Cat-5 E network cables to PxLNet Transceivers that are soldered directly to pixel controlled LED strip.



WIRING DIAGRAM 2

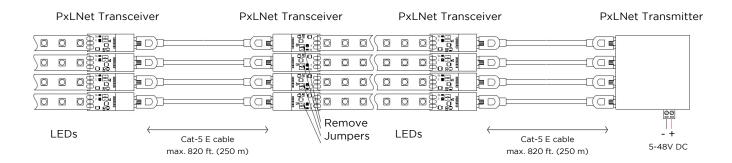
Transmitter connected by Cat-5 E network cables that are soldered to PxLNet Transceivers and output wires soldered that are connected to LED products.





WIRING DIAGRAM 3

DiGidot C4 with PxLNet Transmitter module connected by Cat-5 E network cables to PxLNet Transceivers that are soldered directly to pixel controlled LED strip. PxLNet Transceiver used in transmitting mode to send SPI between LED strips.



WIRING DIAGRAM 4

DiGidot C4 with Tx module connected by Cat-5 E network cables to PxLNet Transceivers that are soldered directly to pixel controlled LED strip.

