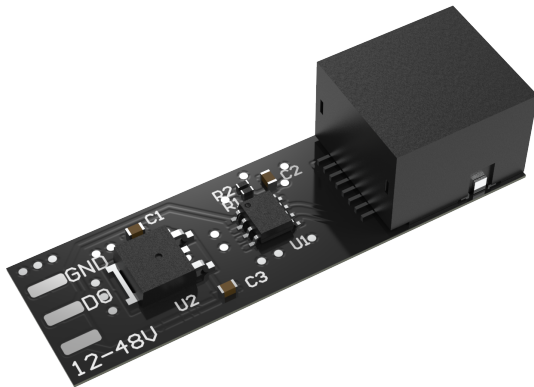


DiGidot Rx48

Receiver module
Art. No. 20326



DATA SHEET

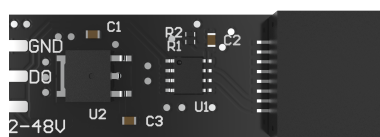
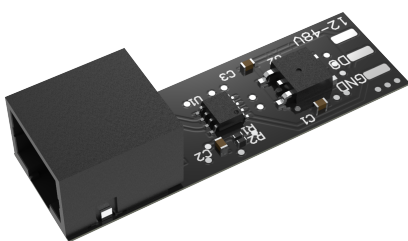
- Extend SPI data up to 250 meters
- Compact size
- Wide voltage range (5-48 Vdc)
- Easy to connect
- Solder directly to LED strips
- Reliable & easy to use



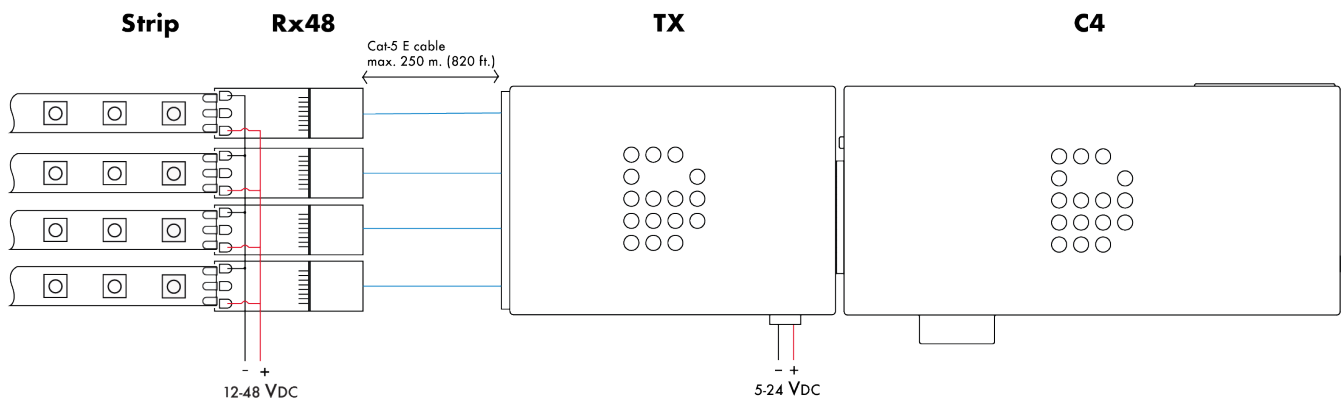
Introduction

SPI protocols are sensitive to data distortion and often only work safely up to 2 meters (6.5 ft) cable distance. The DiGidot Rx48 is a small size receiver module that can be used in combination with DiGidot C4 and a DiGidot Transmitter module. It allows sensitive SPI protocols to be sent over huge distances, up to 250 meters. Any single wire SPI protocol (Data only) that can be outputted from a DiGidot C4 can be received. The input can be connected easily with a RJ45 connector or it can be soldered on the underside. The output can directly be soldered to most industry standard SPI controlled LED strips.

Product images



Wiring scheme



Technical notes

- All Grounds, from the DiGidot C4/Transmitter, power supplies and the Rx48 must be connected.
- Ground output wire from Rx48 must be equal in length as the Data wire.

Specifications

Supply voltage	12-48 Vdc
SPI type	Data only protocols
Input	Solder pads + RJ45 bus
RJ45 Pinout	1 = Data +, 2 = Data 1, 7 & 8 = Ground
Output	Solder pads + screw terminal (optional)
Ingress protection	IP00 (unprotected, indoor use only)
Dimensions	43.8 x 15.8 x 15.3 mm
Weight	6 gr
Short circuit protection	No
Over voltage protection	Yes
Operating Temperature	0 to 50°C / 32 to 122°F
Max. ambient temperature	40°C / 104°F
Storage temperature	-20 to 50°C / -4 to 122°F
Max. operating relative humidity	90% (indoor use only)