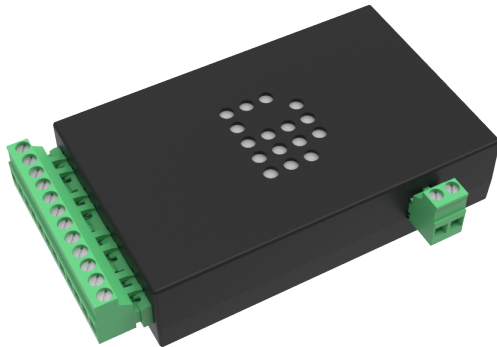


DiGidot Tx module

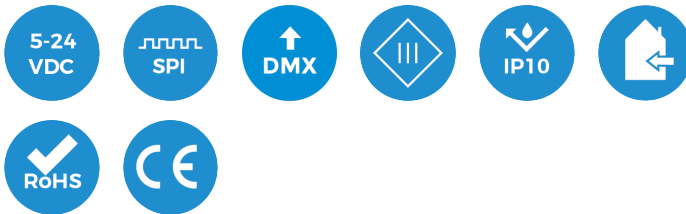
Data extender

Art. No. 20303



DATA SHEET

- Extend SPI data up to 250 m
- Convert DMX TTL to DMX
- 4 balanced outputs
- Plug directly into C4 Output port
- Wide voltage range (5-24 Vdc)
- Compact size
- Easy to connect
- Reliable & easy to use

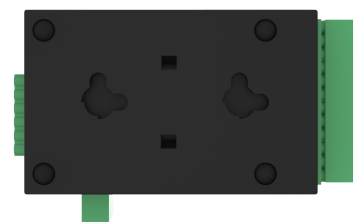
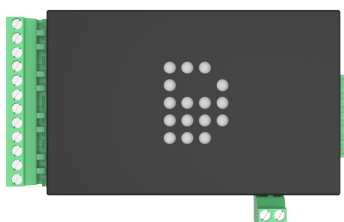
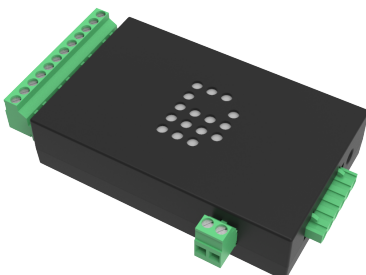


Introduction

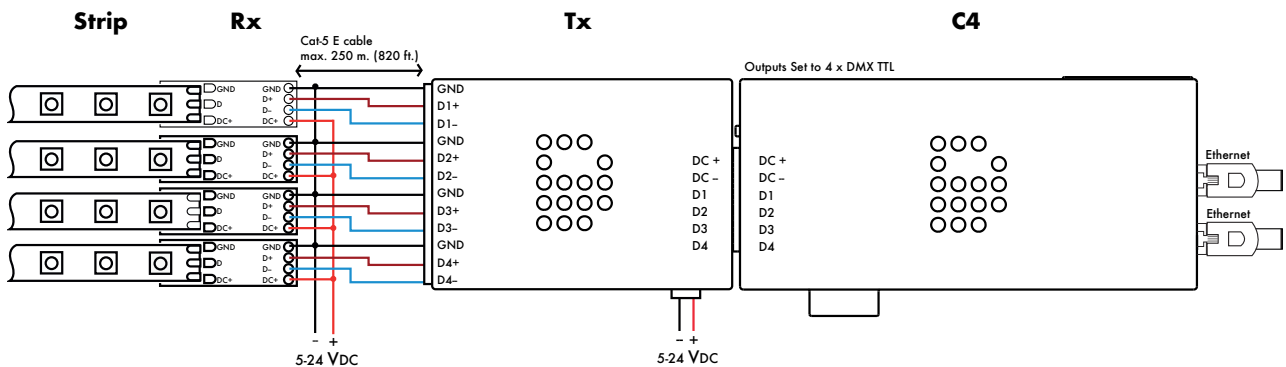
SPI protocols are sensitive to data distortion and often only work safely up to 2 meters (6.5 ft) cable distance. The DiGidot Tx is a transmitter module that can be used in combination with DiGidot C4 and a DiGidot receiver modules. It allows sensitive SPI protocols to be send over huge distances, up to 250 meters. Any single wire SPI protocol (Data only) that can be outputted from a DiGidot C4 can be send.

The DiGidot Tx module connects directly to the output port of a DiGidot C4 (suited for C4 Live and Extended). Another great feature is that the DiGidot Tx can also be used to to get four (instead of two) balanced DMX outputs from a DiGidot C4. This can be done by selecting DMX TTL from the I/O configuration in the DiGidot user interface or app, The TX will automatically convert to balanced DMX signals. The output terminal is easy to connect and features a separate ground connection for each output. The power input is also distributed to the DiGidot C4, powering both devices at the same time.

Product images



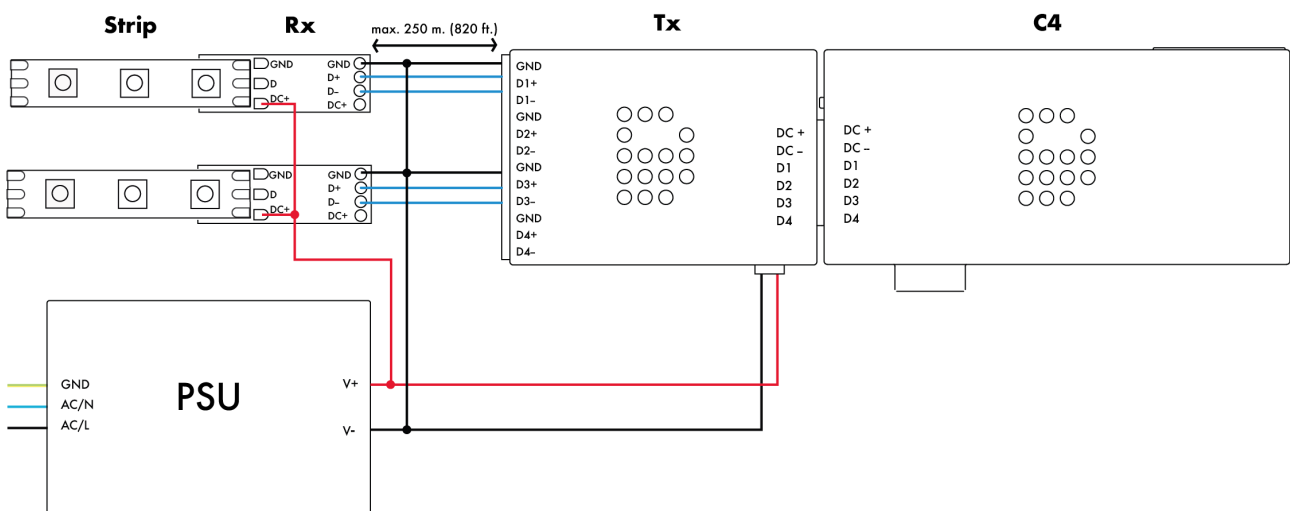
Wiring schemes (Data)



IMPORTANT:

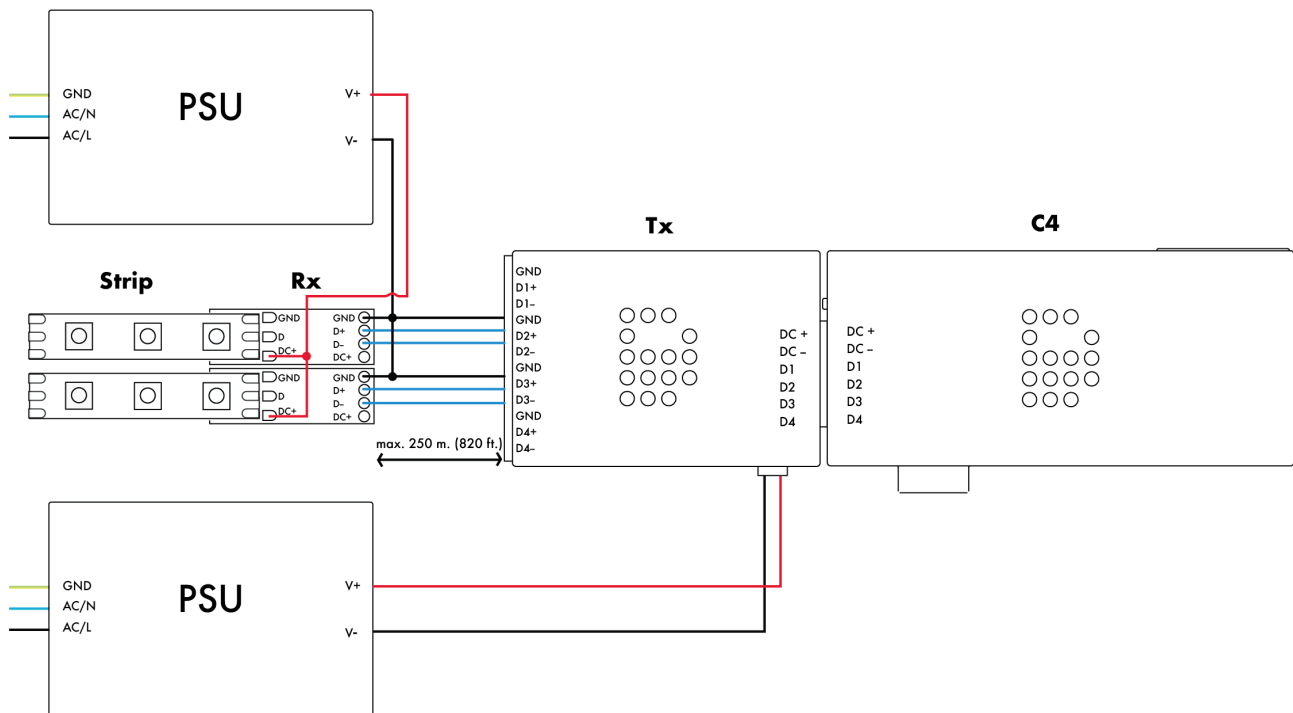
All Grounds, from the DiGidot Tx and all power supplies must be connected. The Ground output wires of each Data pair from the DiGidot Tx output must be equal in length as the Data wires.

Wiring schemes (Power)



DO

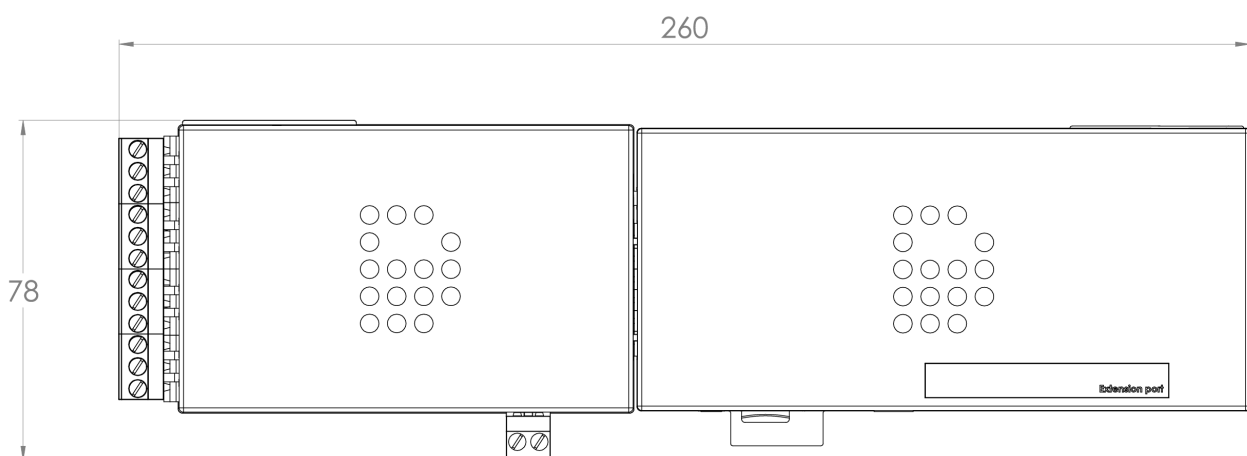
Wiring schemes (Power)



DO

For more wiring schemes, and technical information, please read the DiGidot C4 user manual.

Technical drawings



Specifications

Input voltage	5-24 Vdc
Max. Power consumption	1W
Housing material	Self extinguishing Acrylonitril-Butadiene-Styrene (ABS)
Dimensions	125 x 74.5 x 19 mm 4,92 x 2.93 x 0.75" (L x W x H)
Weight	60gr 2.11oz
Mounting	Surface mounted
Operation Temperature (Tc)	0 to 50°C 32 to 122°F
Ambient Temperature (Ta)	40°C 104°F
Storage temperature	-20 to 50°C -4 to 122°F
Operating relative humidity	90% (indoor use only)
IP rating	IP10
Input Protocols	4 x SPI 4 x DMX TTL
Output Protocols	4 x single wire SPI 4 x DMX512
Compliances	CE, RoHS
Applied standards	EN60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013, IEC60950-1 / EN60950-1, EN61006-6-3, EN55032