

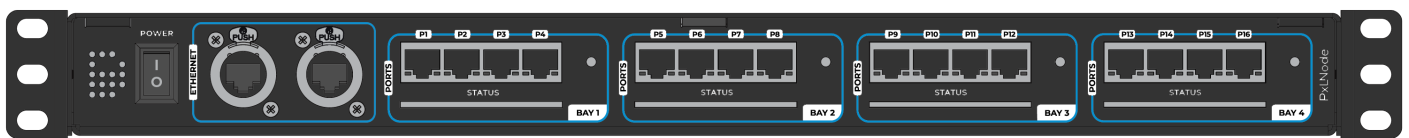


DiGidot PxLNet Node Specification sheet

PUSHING CONTROL BOUNDARIES



The DiGidot PxLNet Node is a powerful rackmount pixel control system that converts Art-Net or sACN to SPI or DMX. The web-based user interface allows the PxLNet Node to be configured to the requirement of the user.



FRONT



BACK

Description

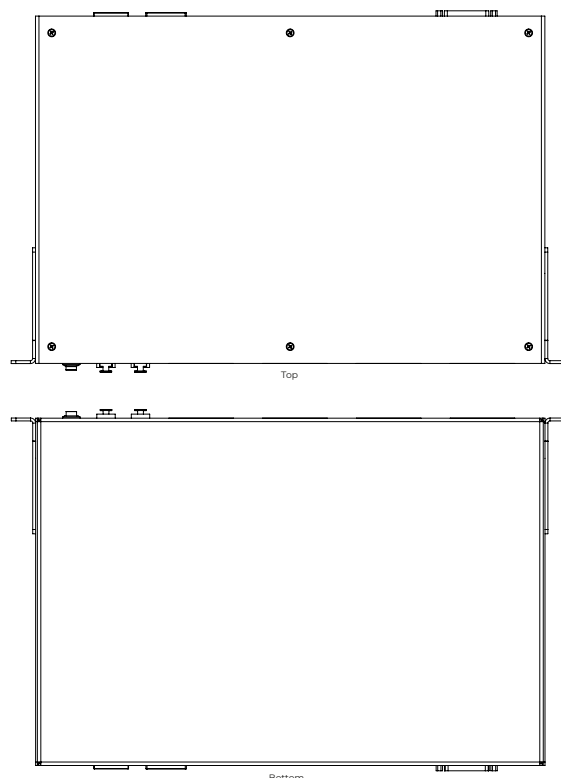
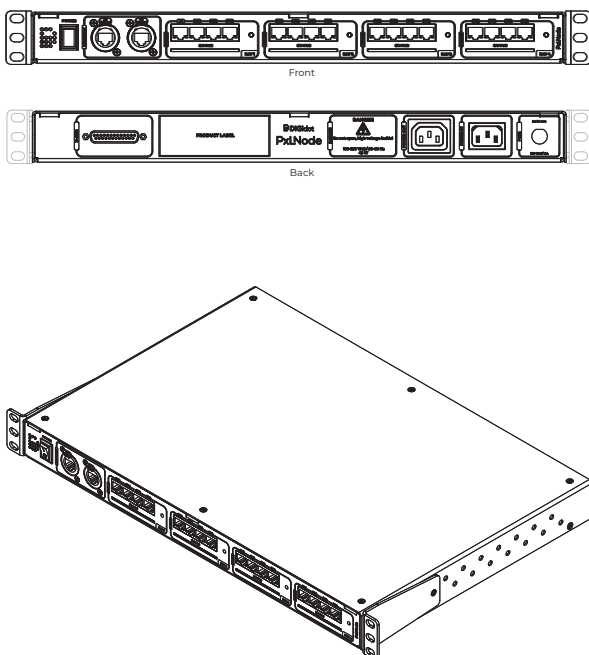
The DiGidot PxLNet Node is an all-in-one control solution for LED lighting installations, allowing you to control 16.000+ pixels per device. It's easy-to-install and designed for long distance data transmission, ideal for your entertainment, architectural, and landmark lighting projects.

The DiGidot PxLNet Node is a 19" rackmount unit with a compact 1U form-factor, gigabit ethernet switch and low power consumption of 45 watt, making it suitable for installation anywhere. The DiGidot PxLNet Node has 16 RJ45 ports, which can output either DMX or our long-range PxLNet signal. It comes with an easy-to-use, yet powerful web interface and free software updates. Additionally, you can benefit from low-price per RGB pixel, support for more than 60 different LED protocols and integration with other third-party software. Control your lighting project with DiGidot PxLNetNode and start creating!

Summary

- Up to 96 universes (49.152 channels)
- Supports more than 60 protocols
- Art-Net, sACN and DMX out
- 19 inch housing
- Plug and play
- Long distance SPI (250 meter)
- Web interface
- Hardware for 24/7 use

Technical drawings



Specifications

Electrical

Input voltage	100-250 VAC, 50-60 Hz
Max. Power consumption	45W

Mechanical

Housing material	Aluminium
Dimensions	441 x 300 x 43 mm 17.36 x 11.81 x 1.69" (L x W x H)
(with 19-inch brackets)	484 x 300 x 43 mm 19.06 x 11.81 x 1.69" (L x W x H)
Net device weight:	2450 gr 86.42oz
PxLNet Node package weight:	2800 gr 98.77oz
Mounting	19 inch rack mounted

Environmental

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)

Protection

IP rating	IP20
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Control

Input Protocols	Art-Net 1,2,3 & 4 sACN
Output Protocols	Art-Net 1,2,3 & 4 (out/through) DMX512 (16 outputs) 60+ SPI protocols (check supported IC's list)
Output channels	Up to 49.152 Art-Net or sACN channels (96 universes)
Ethernet	RJ45 compatible, for 100/1000 Base-TX Ethernet Ethernet with static IP address or Smart DHCP Server
Programming & control	DiGidot PxLNet Node web-based user interface DiGidot PxLNet Node app Any type of Art-Net or sACN Software/Device (visit our website: digidot.eu for a complete list of supported software)

Connectivity

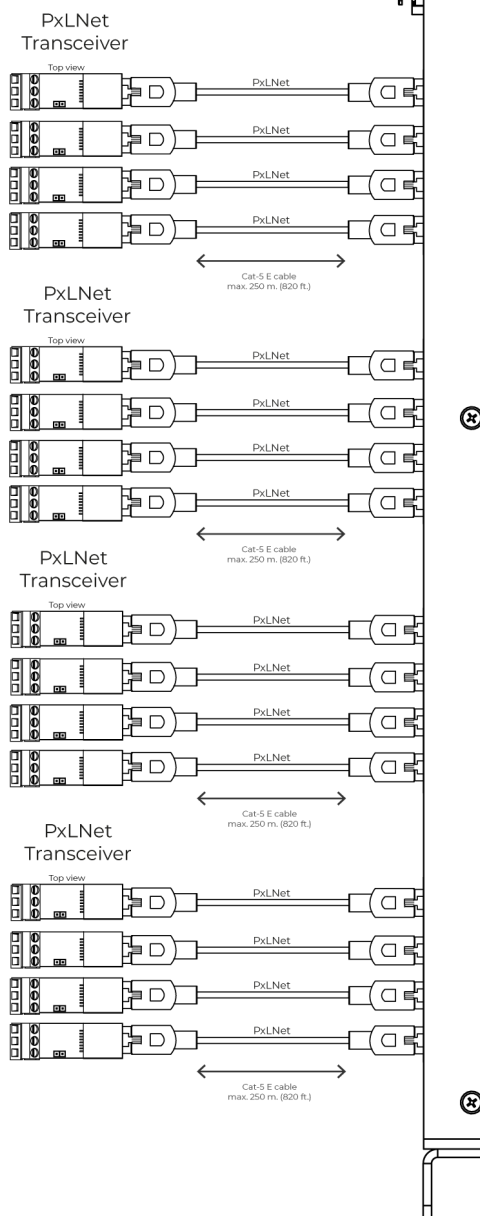
Connectors	Power: C13, C14 (100-250 VAC) Network: 2 x RJ45 bus IO port: 16 x RJ45 bus (PxLNet) Trigger input: D-Sub and GPIO switch
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Quality

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

Wiring schemes (data)

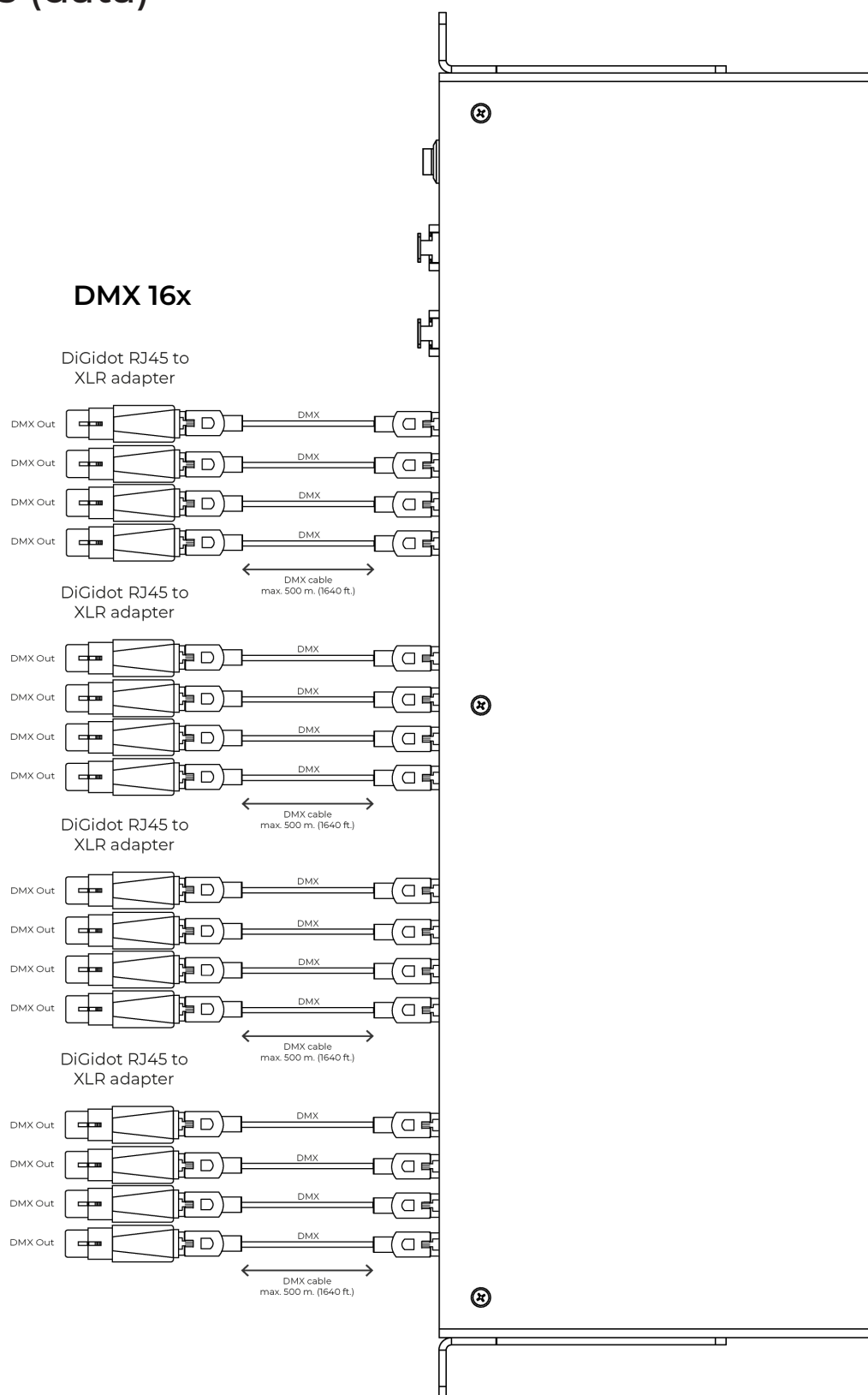
SPI 16x



Max. 4096 channels per SPI port | cable max 250 m. (820 ft.)

This option shows 16x SPI outputs. Cable should be a cable with an impedance of 110 Ohm or a CAT6 (s/FTP recommended) or better.

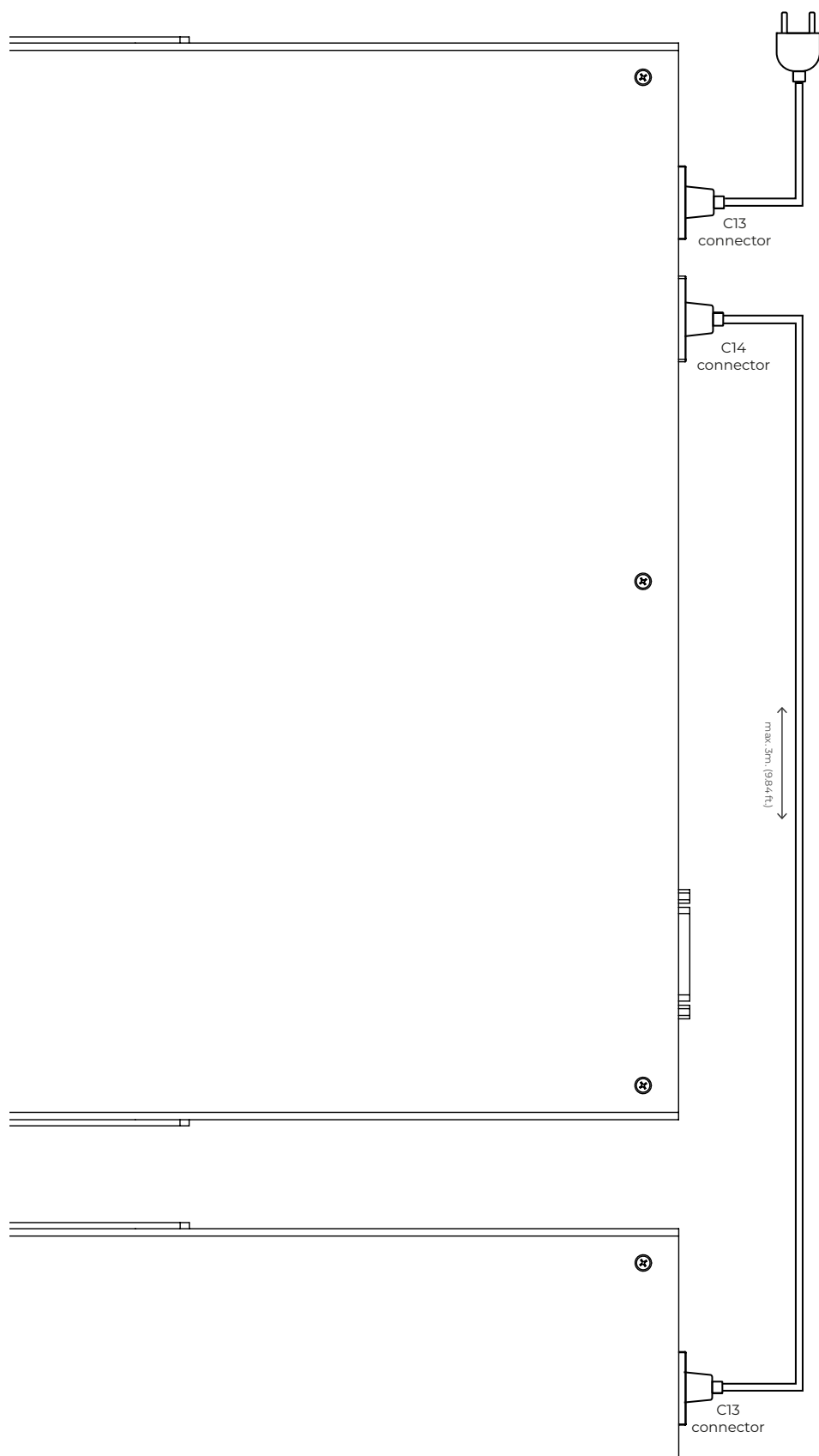
Wiring schemes (data)



Max. 512 channels per combined DMX port | DMX cable max 500 m. (1640 ft.)

This option shows 16x DMX outputs. Cable should be a DMX cable with an impedance of 110 Ohm or a CAT6 (s/FTP recommended) or better.

Wiring schemes (power)



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



PxLNet Node

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