OCTO – Datasheet

8 universe eDMX to LED pixel controller with network chaining in a compact 4-module DIN-rail form factor.

ENTTEC's OCTO is a robust and reliable installation grade LED controller engineered to take any architectural, commercial or entertainment project to the next level.

With 8 universes of eDMX to pixel protocol conversion and network chaining between devices, the OCTO allows for fast deployment of LED strips and pixel dot systems with compatibility with over 20 protocols.

The OCTO is packed with installer-friendly features such as an identify button to check correct wiring, temperature monitoring, a wide input voltage range (4-60v) and intuitive configuration and management through its localhost web interface. All contained within a slim electrically isolated 4 DIN form factor.

Its inbuilt Fx engine allows users to edit and create presets, using the OCTO's web interface that can be configured to run standalone at power up without a DMX source.

Features

- **Two * 4-universe pixel outputs with Data and Clock support.**
- **Support for up to 8 universes of Art-Net, sACN, KiNet and ESP.**
- **Easily extendable network - daisy chain ethernet connection through multiple devices.**
- **DHCP or Static IP address support.**
- **Multiple pixel protocols supported, see: www.enttec.com/support/supported-led-pixel-protocols/.**
- **Surface or TS35 DIN rail mounting option.**
- **Intuitive device configuration and updates through the inbuilt web interface.**
- **Test/Reset button allows installers to quickly check wiring is correct without requiring a network connection.**
- **Simple Fx generator mode to create and execute preset effects on the fly, configurable to play from power up.**
- **Grouping functionality to reduce input channel count.**

Specification

Connectors	2* Network (RJ45)	
	2* SPI Output (4-Pin phoenix)	
	1* Power (2-Pin phoenix)	
IP rating	IP20	
LED indicators	Forward facing LED indicator	
	Network link / activity (integrated into RJ45 ports)	
eDMX input protocol	Art-Net	sACN
	KiNet	ESP
Data output type	SPI (NZR) See website for all supported protocols.	
Max. eDMX -> pixel conversion per device	2048 channels	
Max. pixels controllable per device	RGB	1360 (680 per port)
	RGBW	1024 (512 per port)
Max. refresh rate	46 frames per second (fps)	
Network speed	10/100Base-T	
Network discovery	ENTTEC's NMU software	
Network configuration	Static (Default 192.168.0.10) / DHCP	
Integrated network switch	Yes	
Recommended network device quantity per chain	Chains of up to 8 devices give optimum synchronization between outputs	
Max. network device quantity per chain	50	
Identify / Reset button	Yes	
Configurable pixel color ordering.	Yes	
Creation of effects and presets on the device	Yes	
Play preset upon startup	Yes	
Firmware updates	Upgradable via web interface	
Input voltage	4-60V DC	
Max. power draw	5W	
Max. heat dissipation	4.5 W	
Cooling method	Convection	

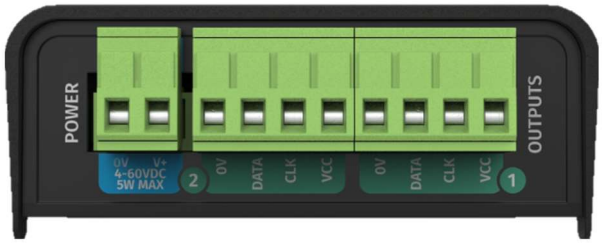
Environmental operating temperature	-20°C to 50°C -4°F to 122°F
Environmental operating humidity	5 to 95% (non-condensing)
Body material	ABS plastic
Mounting options	Surface mount
	TS35 DIN Rail mount
Unit dimensions	100.5*72.25*34 mm
Unit weight	0.11kg / 0.24lbs
Shipping dimensions	160*140*40 mm
Shipping weight	0.18kg / 0.39lbs
Warranty	3 year return to base manufacturer warranty

Certification

Box contents

- OCTO
- 2* WAGO connectors

Phoenix Connector



Safety

- Please refer to the OCTO User Guide for wiring diagrams & Installation guidance.
- Always refer to this product's safety notes before handling or specifying it on your project.

Ordering information

For further support and to browse ENTTEC's range of products visit the ENTTEC website.

Item	SKU
OCTO	71521