

ProtoPixel Duo LED Controller

Overview

The ProtoPixel Duo is a pixel LED controller with an integrated micro SD card reader, capable of controlling the most popular IC's through ethernet or wi-fi.

Duo can control up to 1200 RGB pixels or 900 RGBW pixels and can be used in three ways:

- as a standalone controller, where sequences recorded in ProtoPixel Create can be played using an intuitive web app.
- as a streaming controller, when used through ProtoPixel Create or ProtoPixel Node setup.
- as an art-net controller via wi-fi from a third party application.

Supported LED ICs

WS2811, WS2812, WS2812B, WS2813, WS2815, Neopixel, SK6812, GW6205, UCS1903, UCS1903B, UCS2904 and CS8812 protocol families.

Communications

Ethernet	Yes
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Wi-Fi	Yes
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Memory Card	Micro SD(Max. 23GB)
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Configuration	Configuration WebApp or ProtoPixel Create
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Shell

Material	ABS
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Finish	Glossy Black
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Protection

Isolation	N/A
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IPX	IP30
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Dimensions

Width	88 mm
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Depth	61 mm
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Height	33 mm
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Weight	90 gr
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Control

No. of Pixels per Outlet	RGB: up to 1200 pixels at 27FPS RGBW: up to 900 pixels at 27FPS
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Framerate	min: 27 FPS (using max. Pixels per Outlet) max: > 500 FPS (using 1 Pixel per Outlet)
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Indicators

1 LED RGB	LED light changes to multiple colors according to function
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Finish	Black
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Wiring

Data outlets	1 Pluggable terminal block (4 Ways—Black) The block contains (left to right): positive pin, output 1, output 2, and negative pin
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Mounting	Wall-Mount optional
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Enviromental

Operating Temperature	-10°C to 40°C
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Electronics (Power)

Input Voltage	5 - 24 VDC
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Power Consumption	idle: 90mA@5V working conditions: 250mA@5V
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Power Supply	None
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