

# 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.

### 1. dimensions



Width: 88 mm , Depth: 61 mm, Height: 33 mm, Weight:90 gr



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## 2. specifications

### Dimensions

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

### Electronics (power)

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

### Supported LED ICs

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

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Number 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 )d
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### Communications

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Ethernet	Yes
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Wi-Fi	Yes
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Configuration Options	Using the configuration WebApp or ProtoPixel Create
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Type of Memory Card	Micro SD Card (max 32Gb)
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### Shell

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Material	ABS
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Finish	Black
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### Indicators

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

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Data outlets	1 Pluggable terminal block (4 Ways - Black). The block contains (left to right) positive pin, output 1, output 2, and negative pin.
Mounting	Wall-Mount optional
<b>Protection</b>	
Isolation	N/A
IPX	IP30
<b>Environmental</b>	
Operating temperature	-10°C to 40°C
<b>Other</b>	
Country of origin	Spain
<b>Warranty</b>	
	3 Years

