Description

The intelligent Matrix is a 8x16 (128) array of smart RGB pixels that can be controlled from a single microcontroller pin!

Features

- Super bright 24-bit RGB color (not multiplexed)
- Expandable -- make larger arrays by stacking multiple boards horizontally or vertically
- Control each board with 1 microcontroller pin (series mode, 128 RGB LEDs) OR
- Control each board with 8 microcontroller pins (1 byte, Parallel mode, 8 rows of 16 RGB LEDs each)
- Expand this configuration for larger matrices. A series matrix will still be controlled with 1 control signal, and a parallel matrix by 8 signals.
- Very low profile - lets you make a thin matrix
- Compatible with Adafruit Neo Pixel Library
- Drive up to 25 boards with 5V 400W power supply

Specs

- 0.6" LED spacing - horizontal / vertical
- Input voltage : 3V3 - 5V0
- Max current 2.6 Amperes / board (measured at 100% duty cycle on R, G, and B at 5V)

Questions and Answers

Have a question about this? Ask people who own it.

any chance we could have an 8x8 matrix ? or could this be broken in half some way ? thanks

I'm trying to figure out how elastic the board is. Can you put pictures on how much can you bend the board safely? Is there a tutorial? Thanks.
Jose Mulia on Oct 19, 2016

Let ask a stupid question...
Are every leds swichtable "on/off" and color by color?
Lo?c

Loic Eonnet on Oct 19, 2016

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Dmitry Mukhach on Oct 19, 2016

Which microcontroller you suggest for this??