Flexible 16x16 NeoPixel RGB LED Matrix

PRODUCT ID: 2547

Description-

For advanced NeoPixel fans, we now have a bendable, Flexible 16x16 NeoPixel LED Matrix! Control all 256 ultra-bright LEDs using a single microcontroller pin, set each LED as you wish to scroll messages or draw little images. This matrix has a thick flexible PCB backing that can be gently bent and curved around surfaces

You can use this matrix just like any other NeoPixel-compatible product.

Don't forget, with 256 LEDs, you could use over 15A of current if you turn on all the LEDs on to white (which we really do not recommend because we don't think the flex PCB can handle that much current). Try to keep the current draw at undrer 5A, you can use our 5V 4A or 5V 10A power supply. For portable use, if you are drawing less than 3A, try out this 5V@3A UBEC.

We also have a flexible NeoPixel Matrix in 8x32 if you love that 4:1 aspect ratio.

Please note: Flexible PCBs are not designed for repeated flexing! While we think this product may work in wearables or other situations where the matrix is bent around, we do not offer any guarantees or refunds if you end up cracking the LEDs or traces! This is for advanced users only, who already know how to use NeoPixels and are comfortable with the high current requirements and protecting the matrix from damage. There are no returns, refunds or replacements for damaged product.

Don't forget to read our NeoPixel Uber guide for more information on how to care and feed your NeoPixels!

Technical Details

- o 160mm x 160mm x 2mm / 6.3" x 6.3" x 0.08"
- o Weight (with IDC cables): 46g
- o WS2812 Datasheet
- o SK6812 Datasheet
- o May ship with either WS2812B or SK6812-based LEDs. They are the same brightness, color and protocol