WiFi RGB LED Matrix
Product datasheet

Product Features

Memory

Memory	
Flash Memory (NAND)	256 KB
RAM	32 KB SRAM

Processor	
Processor	ARM Cortex-M0+

Led	
RGB LED	Individually-addressable RGB colour pixel.

Usb	
USB Device	USB Type-C Connector

Communications	
WiFi	802.11b/g/n

PKG900000000794   *USD195.00*

WIFI RGB LED MATRIX

The WiFi RGB LED Matrix board employs USB Type-C Power Delivery technology to deliver enough power to drive over 1000 RGB LEDs, as well as provide a USB connection to the MCU, from a single port.   Right-angle mounting brackets, and data and power connections on the back-side of the board make adding RGB Matrix Tiles simple and seamless to create larger RGB displays.

USB TYPE-C PD

The WiFi RGB LED Matrix demonstrates Geppetto's new Type-C Power Delivery module. Add it to your Geppetto design for up to 100W of power!

RGB LEDS

The RGBs used in this design are the Worldsemi WS2812B-3535s (datasheet), communicate at 800 Kbps and are compatible with Adafruit's NeoPixel libraries.

ATSAMW25

The ATSAMW25 WiFi MCU module is the same device used on the Arduino MKR1000 and is easily programmed using the Arduino IDE.

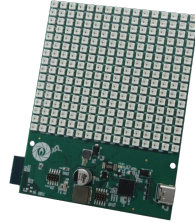**What's included**
1 ×   RGB LED Matrix

Key component
1 ×   USB Type-C Port
1 ×   Microchip ATSAMW25 SmartConnect
1 ×   15K 0201

Product links

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