

PIXEL Guts Kit

SKU 110070003

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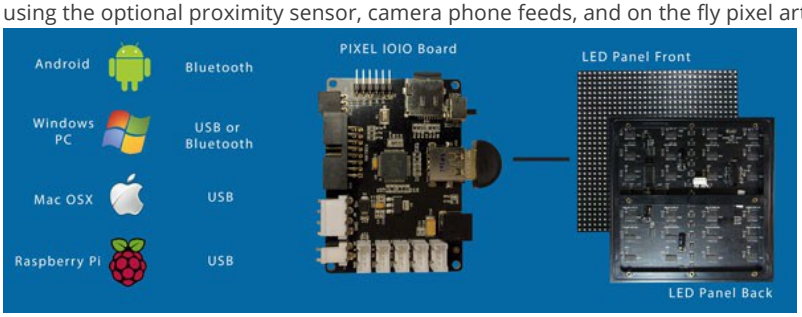
Description

Control a 32x32 LED matrix of 1,024 multi-color LEDs with your Android device , Windows PC, Mac (USB only), or Raspberry Pi (USB only). No soldering or coding required!
PIXEL comes included with 180+ unique works of pixel art content via a collaboration with 12 pixel artists all over the world. And of course you can easily add your own pixel art too. The software and hardware created for PIXEL: LED ART are both open source and fully hackable using PIXEL's software API.
Simply select the art from your Android, PC, Mac, or Raspberry Pi and download to PIXEL. After that, PIXEL runs in stand-alone mode with no device connection necessary. Or leave your device connected and use PIXEL in interactive mode for things like Twitter feeds, interactive animations using the optional proximity sensor, camera phone feeds, and on the fly pixel art creation.



Specification

Included Parts	Specs / Info
32x32 RGB LED Matrix	1024 RGB LEDs, 190mm x 190mm x 15mm (7.5" x 7.5" x 0.625"), 1400 cd/m2 brightness LEDs on a 6mm pitch, 1/16 scan rate, Data sheet (partly in Chinese)
PIXEL V2 Board	5 External Sensor PortsBoard Details
Bluetooth 4.0 Dongle	Plug this dongle into the iOIOMint board's USB port
Power Supply	110V to 240V power supply. Outputs 5VDC up to 4 Amps. Standard 2.1mm barrel jack connector. The power plug is the"two-prong style"for US/Canada/Japan so you'll need to supply your own adapter for other countries.
Cables	LED Matrix Data (IDC) and Power Cables

Feature/App	Android	Windows	Mac OSX	Raspberry Pi
180+ original works of pixel art	Yes	Yes	Yes	Yes
Animated GIFs in stand alone mode	Yes	Yes	Yes	Yes
Add your own pixel art	Yes	Yes	Yes	Yes
USB connectivity	Yes	Yes	Yes	Yes
Bluetooth connectivity	Yes	Yes	No	No
Weather app	Yes	Yes	Yes	Yes
Camera and video capture app	Yes	No	No	No
Pixel Art editor	Yes	No	No	No
Command line app	No	Yes	Yes	Yes
Interactive animations with proximity sensor	Yes	No	No	No
Novelty alcohol detector app with alcohol sensor	Yes	No	No	No
Touch app	Yes	No	No	No
Message box (scrolling text)	Yes	Yes	Yes	Yes

All Apps are free, PIXEL will become much funny with PIXEL Apps.

PIXEL Guts Quick Start Guide

Best-sellers


Pixel v2.5 maker kit


L3D Cube (8x8x8 Full Color...


SARK-110 Antenna Analyzer



ESP-32S Wifi Bluetooth Co...

Technical Details

Dimensions	255mm x 250mm x 80mm
Weight	G.W 841g
Battery	Exclude

Part List

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Questions and Answers

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



View History


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