

PyPortal Titano Display Board

Product Overview

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Description

Adafruit PyPortal Titano Display Board is an easy-to-use IoT device that allows a user to create all the things for the “Internet of Things” in just minutes. The user can make custom touch screen interface GUIs, all open-source, and Python-powered using tinyJSON/APIs to get news, stock, weather, photos, and more, all over Wi-Fi®. The Titano uses a Microchip ATSAMD51J20 and an Espressif ESP32 Wi-Fi coprocessor with built-in TLS/SSL support. The Titano has a bigger 3.5" diagonal 320x480 color TFT than the original PyPortal’s 3.2" 240x320 screen, with a resistive touch screen. The connector is a reverse-friendly USB Type-C connector.



The Titano has a higher-resolution screen, with a different controller chip. The processor, STEMMA connectors, and Wi-Fi have the same wiring as the original 3.2" PyPortal. The user running Arduino/CircuitPython code, has to adjust the graphics and fonts for a larger resolution screen. The Titano includes a speaker, light sensor, NeoPixel, MicroSD card slot, 8MB flash, plug-in ports for I²C, and 2 analog/digital pins. The board also features open-source hardware, open-source software, CircuitPython, and Arduino. The device shows up as a USB drive and the code (Python) can be edited in any IDE or text editor. The device is RoHS2 compliant.

Features

- Higher resolution screen
- Open source hardware and software, CircuitPython, and Arduino
- Speaker, light sensor, NeoPixel, MicroSD card slot, 8MB flash, plug-in ports for I²C, and 2 analog/digital pins
- RoHS2 compliant

Mouser Part Number

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