



AdaBox011 – PyPortal

PRODUCT ID: 4061

Reach out beyond your desk – to the stars and beyond – with PyPortal! This ADABOX features a new, easy-to-use IoT device that allows you to customize and create your very own "Internet of Things" portal. We take CircuitPython to the max, pairing a SAMD51 chip with a 3.2" color TFT touchscreen and secure Wi-Fi co-processor.

With the open-source Python-powered PyPortal, you can fetch and display anything in the world: inspirational quotes, weather forecasts, your social media followers, cat photos, and more – over Wi-Fi with the latest technologies. Create little pocket universes of joy that connect to something good. You can even rotate it 90 degrees, now it's a web-connected conference badge – and take #badgelife to the next level!

Thanks to the generous sponsorship and support from Analog Devices and Digi-Key, we've even included a fancy precision temperature sensor! Each PyPortal comes with an ADT7410 sensor built right in, so you can display the local temperature or use the PyPortal as a remote temperature logger and sensor that uploads data to our free adafruit.io IoT service.

The PyPortal uses an ATMEL (Microchip) ATSAM51J20, and an Espressif ESP32 Wi-Fi coprocessor with TLS/SSL (secure web) support built-in. PyPortal has a 3.2" 320 x 240 color TFT with resistive touch screen.

PyPortal includes: speaker, light sensor, temperature sensor, NeoPixel, microSD card slot, 8MB flash, plug-in ports for I2C, and 2 analog/digital pins. There are 3D files available for custom enclosures and the board has mounting holes which are also compatible with badge lanyard fasteners.

PyPortal is Open-Source hardware and Open-Source software, and it runs CircuitPython and Arduino code. Using CircuitPython, the device shows up as a USB drive and the code can be edited in any IDE, text editor, etc. You can have your IoT project up and running in minutes!

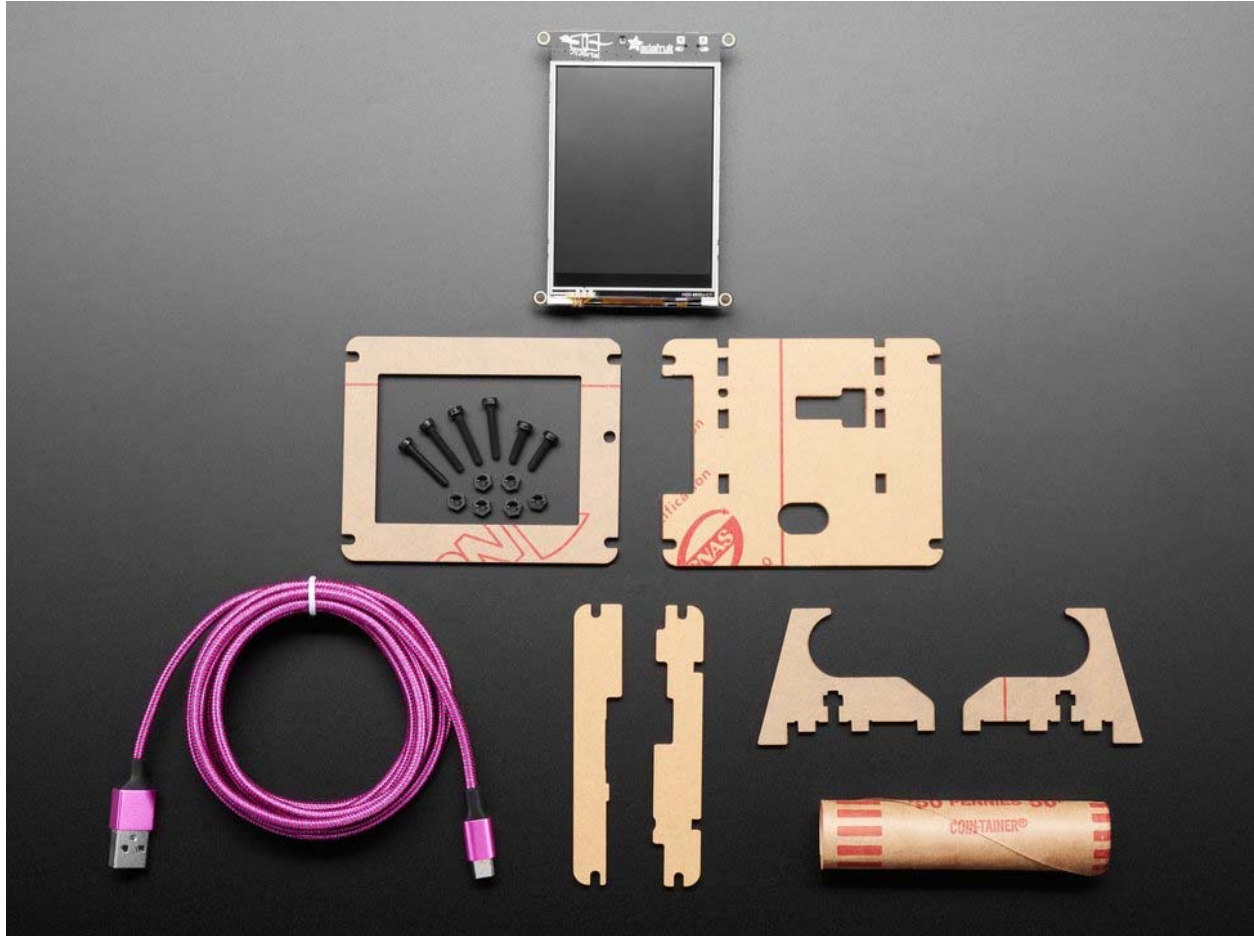
Please note! This is NOT the subscription version of AdaBox! This version *does not* include free shipping. If you'd like to subscribe to AdaBox, please visit the AdaBox page!

If you're an international customer (outside of the UK, France, and Germany), this is currently the only way to get an AdaBox (for now - we're working on it!), and if you're a subscriber who missed out on boxes one and two, a great way to spend your time as you anxiously await AdaBox011.

Includes:

- Adafruit PyPortal - CircuitPython Powered Internet Display
- Adafruit PyPortal Desktop Stand Enclosure Kit
- Pink and Purple Braided USB A to Micro B Cable - 2 meters long
- 1 x pre-formed Penny Coin Wrapper
- DOES NOT include free shipping!

. TECHNICAL DETAILS



<https://www.adafruit.com/product/4061/4-15-19>