

PyGamer

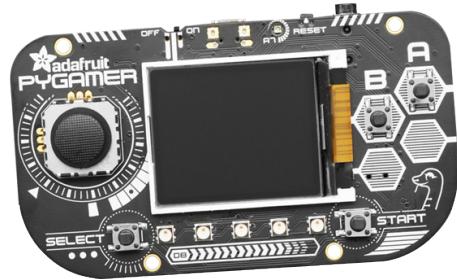
Product Overview

10-12-2021

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

Adafruit PyGamer is fully Open Source, and runs CircuitPython, MakeCode Arcade or Arduino games. This entry-level gaming handheld is an all-in-one dev board powered by the ATSAMD51. The games feature 512KB of flash, 192KB of RAM, and 8MB of QSPI flash for file storage, handy for images, fonts, sounds, or game assets. This PyGamer also features a micro SD card slot for storing even more stuff when the QSPI flash isn't enough.



The PyGamer also features a 1.8" 160x128 color TFT display with dimmable backlight on the front. The PyGamer features a dual-potentiometer analog stick that gives great control with easy diagonal movement. This PyGamer offers a port for battery charging, programming and debugging. The PyGamer features LiPoly battery port with built in recharging capability and is RoHS compliant.

Features

- PyGamer Starter Kit option available
- Micro SD card slot for storing even more stuff when the QSPI flash isn't enough
- Triple-axis accelerometer (motion sensor)
- Light sensor, reverse-mount so that it points out the front
- Stereo headphone jack
- Mono Class-D speaker driver for 4Ω to 8Ω speakers and up to 2Watts
- LiPoly battery port with built in recharging capability
- USB port for battery charging, programming and debugging
- Two female header strips with feather-compatible pinout so you can plug any FeatherWings in
- JST ports for NeoPixels, sensor input, and I²C (you can fit I²C Grove connectors in here)
- Reset button
- On-Off switch
- RoHS compliant

Specifications

- Product dimensions:
 - 101.6mm x 60.0mm x 19.5mm
- Product weight:
 - 37.5g
- 1.8" 160x128 color TFT display connected to its own SPI port
- 1 x Analog Thumbstick with X and Y analog inputs
- 4 x game/control buttons with square tops
- 5 x NeoPixels for dazzle, or game score-keeping

Mouser Part Number(s)

[View All Parts](#)

To learn more, visit <https://www.mouser.com/new/adafruit/adafruit-pygamer/>