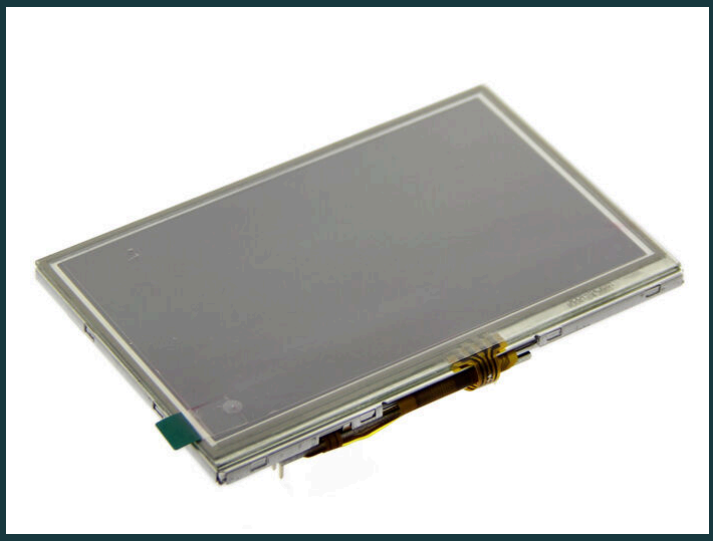
seeed studio

INDUSTRIAL PRODUCT DATASHEET

# Gameduino 2

Gameduino 2 turns an Arduino into a portable gaming system with a touchscreen, accelerometer, microSD, and audio output.

| SKU | UPDATED | PRICE |
| --- | --- | --- |
| 105990008 | 2024-08-09 02:07:54 | $59.00(Excl. VAT) |



# Overview



The Gameduino 2 is an Arduino/Raspberry Pi shield that provides a complete hand-held gaming module with a 4.3-inch 480x272 resistive touchscreen, 3-axis accelerometer, microSD storage, and amplified headphone audio. It is powered by the FT800 Embedded Video Engine, supports 48 kHz sample playback, and offers 262,144 colors with OpenGL-style graphics programming.

# Key Features

The Gameduino 2 turns your Arduino into a hand-held modern gaming system. Touch control, a 3-axis accelerometer, microSD storage for game assets, headphone audio output, and all-new eye-popping graphics on its bright 4.3 inch screen.

The Gameduino 2's FT800 graphics engine is highly capable, and its OpenGL-style command set makes graphics programming easy. It can load JPEGs, supports alpha transparency, and has a full 32-bit color pipeline. There are examples and code on the project page at **http://excamera.com/sphinx/gameduino2/**.

Audio output is available on the amplified headphone jack, and provides a range of built-in  sounds as well as sample playback at up to 48 kHz.

The Gameduino 2 software library is documented extensively in the book, available for free download.

**Features**

- Complete hand-held game module: supply an MCU (Arduino/Rasberry Pi) and power
- Arduino shield form-factor
- Bright 4.3” (diagonal) 480x272 screen, 262144 colors
- Powered by latest FT800 Embedded Video Engine (EVE)
- Resistive touch-screen input
- 3-axis accelerometer for tilt gaming
- microSD storage slot
- Amplified audio via headphone socket
- Software and book available for download

**Important**

Note this unit does not include a microSD card.

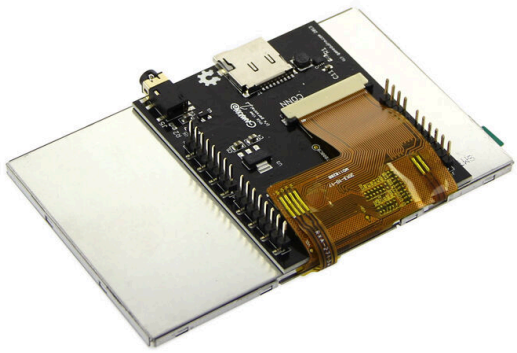
**Specification**

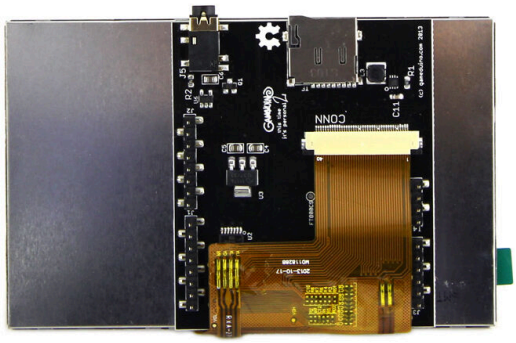
- Arduino Uno shield form-factor, uses SPI bus on pins 13-11. Voltage levels 3.3-5v
- 3.3-5V power supply required
- 3-axis analog accelerometer
- 4.3” (diagonal) TFT with adjustable backlight
- 3.5mm audio jack
- microSD card socket
- Weight: 85g
- Size: 105x75x20 mm

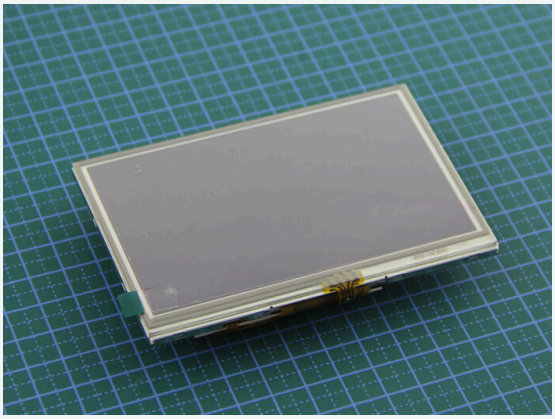
For more info and to get started with your Gameduino 2, visit **http://excamera.com/sphinx/gameduino2/**.

# Product Gallery







## Compliance & Logistics

| | |
|---|---|
| HSCODE | 9013803010 |

# Resource Links

- https://www.seeedstudio.com/Gameduino-2-p-1676.html

**Seeed Technology Co.,Ltd.**
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

**Tel:** +86 0755-80695676
**Web:** www.seeed.cc
**Shop:** www.seeedstudio.com