

SPARKY SBC SINGLE BOARD COMPUTER

FOR MORE INFORMATION PLEASE CONTACT GLOBALSALES@ALLO.COM



Sparky SBC

Sparky Single Board Computer (SBC) is a credit card-sized board that can be used as a standalone computer, in electronics projects, games, and also in many other applications. A true open hardware, community-supported embedded computer for developers and hobbyists. The Sparky SBC has all the functionality of a basic computer.

Sparky is a highly integrated SBC, based on ARM application processor. The Sparky SBC currently supports Linux and Android operating system. It is the best choice for developing customized products as it provides an open, strong and friendly system development platform. Some of the applications are Internet Of Things (IoT), Tablet, Smart TV, Net Book, Game Console, POS machine etc.

Sparky also provides the flexibility to use any of the Raspberry PI add-on boards currently available. we also offer the following add-on boards, like Piano Hi-Fi DAC, Volt AMP, Cheapo DAC, Networking Shield (Wi-Fi, BT), dual Ethernet Shield with Giga bit, Telecom Analog Shield and GSM Shield.

With over a decade of embedding experience, our team is constantly helping application developers to port their new and exciting software to our Sparky SBC.



Key Features

- CPU: ARM Cortex A9 Quad Core Processor at 1.1GHz
- RAM: 1 GB DDR3L RAM
- Display: HDMI, MIPI
- 1080p@60fps HD decoding capability
- USB: USB 3.0 Host , USB 2.0 an OTG
- Offers the most physical interfaces
- Expansion Shields ready (Piano DAC, Piano DAC 2.1, Volt AMP, Volt+ AMP, Kali, Cheapo DAC, Analog Telecom, GIGA, LCD, Camera, eMMC, etc.)
- Ethernet: On board Single Ethernet port
- External Storage: Micro SD up to 32GB and eMMC slot up to 64GB for storing information and loading operating systems
- Connector: 40 pin connector to enhance your "real world" projects or connect the shields
- Power: The board uses up to 5 W of power and can be powered from the USB connector, or a separate 3.7 V battery power supply
- Supports Linux & Android



allo



Tech Specs

- CPU: ARM Cortex A9 Quad Core Processor at 1.1GHz
- Ethernet: 1 port fast ethernet, 10/100 Mbits
- HDMI: 1 port
- eMMC: Supports 8/16/32/64 Gigabyte Module (Plugable)
- uSD: Supports 8/16/32 Gigabyte Module
- DDR: 1GB, 2GB Memory support
- RPI: On board 40 Pin Raspberry PI card connector
- USB 2.0: 2 Port (OTG) Host
- USB 3.0: 1 Port USB Host
- GPU: PowerVR SGX544, 500Mhz
- Display Resolution: 1080p @ 60fps
- Uext: Uext connector olimx board
- IR: 1 port infrared interface
- LCD: 34 Pin LCD connector
- Camera: 24 pin 5Mpixel Camera interface
- NAND Flash: Optional
- Power: microUSB 5V 1.5A
- Telecom Connector: 50 pin
- Temperature: 0 to 40°C
- Dimensions: 95x58x16mm
- Weight: 49 gms

Operating System Support

Ubuntu 14, Arch Linux ARM, OpenELEC, Fedora, Android

Coming Soon

Run Audio, Kodi Player (XMBC), PiPlay, SDL 1.2 and SDL 2.0 Support, Volumino, sqeezebox, live555, media tomb, Frame works, node.js, ruby on rails, openframeworks, Webiopi IoT, openCV

Shields

One of the main advantages of **SPARKY** is the wide range of ready to use add-on boards (*Shields*). Some of these are HAT complaint with certain RPI models. Convert your **SPARKY** into a stand-alone product with the following **Shields**:

- 5 MP Camera
- 8" LCD Touch Screen
- GIGA (Ethernet)
- Analog Telecom

- Piano DAC (Digital Analog Converter)
- Volt / Volt + AMP (Amplifier)
- USB WiFi Dongle
- eMMC Storage











FOR MORE INFORMATION PLEASE CONTACT GLOBALSALES@ALLO.COM



Bottom View



FOR MORE INFORMATION PLEASE CONTACT GLOBALSALES@ALLO.COM

