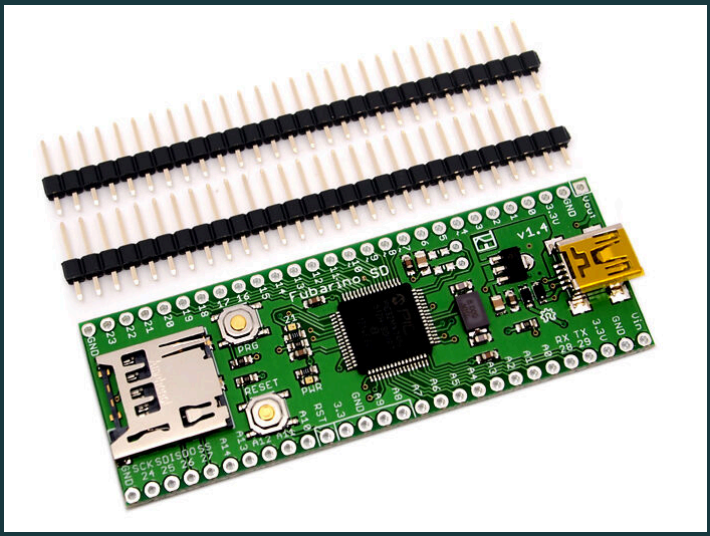
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INDUSTRIAL PRODUCT DATASHEET

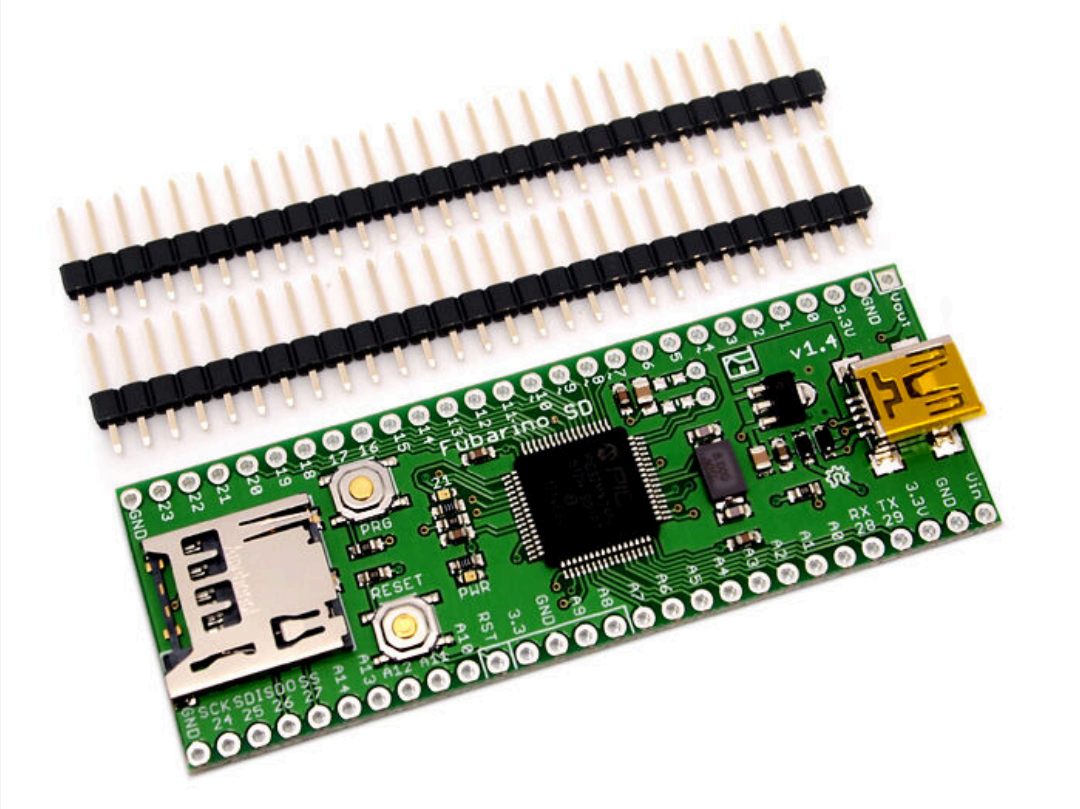
Fubarino SD

The Fubarino SD board offers affordable, breadboard compatible high speed computing with microSD storage and more memory, speed, and I/O pins than a typical Arduino or clone.

SKU	UPDATED	PRICE
102990019	2026-08-19 11:47:44	$32.00(Excl. VAT)



Overview



The Fubarino SD board brings affordable, breadboard compatible high speed computing power to the Arduino-compatible chipKIT/MPIDE platform. It runs almost all Arduino sketches out of the box and includes a microSD card slot, 45 digital IO, 15 analog inputs, two hardware serial ports, and a USB serial connection.

Key Features

The Fubarino SD board brings affordable, breadboard compatible high speed computing power to the Arduino-compatible chipKIT/MPIDE platform. It is able to run almost all Arduino sketches right out of the box at a great price, and includes more memory, speed, and I/O pins than a typical Arduino or clone. And it includes a microSD card slot for easy sketch access to huge file storage.

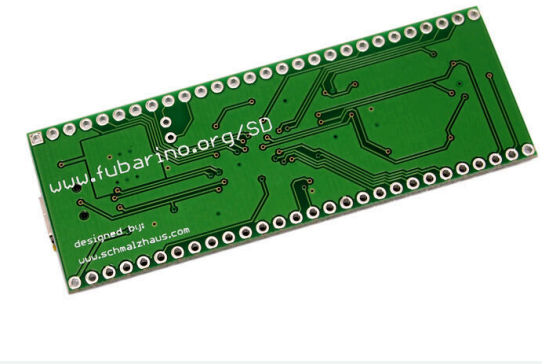
Features

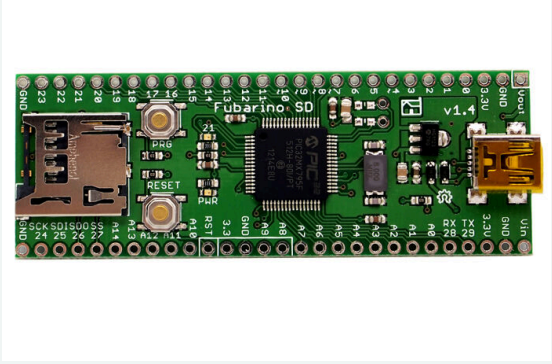
- PIC32MX440F256H - 256K Flash, 32K RAM @ 80MHz 32-bit MIPS core
- MPIDE (Mulit Platform IDE - a fork of the Arduino IDE) supports Fubarino SD board out of the box
- 45 Digital IO (many are 5V tolerant)
- 15 Analog inputs (10-bit)
- 2 hardware serial ports (UARTs) - one accessible on pins 28 (rx) and 29 (tx), the other on pins 8 and 9, plus a serial connection over USB (12Mbps)
- Comes with headers for easy mounting on a breadboard
- Directly compatible with 3.3V devices. No level converting necessary.
- Small form factor - easy to integrate into your project
- Great for projects that need two hardware serial ports plus a USB connection and file storate
- Easy to program, no additional hardware is required to load sketches – just plug into a USB port and run MPIDE
- Can be used as USB to microSD adapter
- ICSP Header for use with optional Microchip hardware programmer/debuggers (like PICKit3, ICD3 or RealIce)
- Can be powered through USB, or 2.3V to 13V DC input power
- Extra power and ground pins for ease of wiring into your project
- microSD slot connected to the PIC32 hardware SPI port for large file access from your sketches
- USB bootloader (avrdude compatible) for seemless sketch uploading within MPIDE

Programming mode

Press and hold the PRG button while pressing and releasing the RESET button, then release the PRG button. This causes the Fubarino SD to enter programming mode. You must do this before you upload a new sketch from MPIDE.

Product Gallery





Part List

Fubarino SD	1

Compliance & Logistics

HSCODE	
UPC	841454109303
COO	CHINA

Resource Links

- https://www.seeedstudio.com/Fubarino-SD-p-1265.html
- Github directory
- schematic
- board layout
- BOM
- Reference Manual
- HEX file
- Factory Test sketch

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