

# Iteduino MEGA2560



## Overview

Iteduino MEGA2560 is a derivative version of the Arduino MEGA 2560. But the smaller size, lower power consumption. Iteduino MEGA2560 compatible with most our Arduino shields and it can work with 3.3V or 5V operation level. In addition, it has all ATmega2560 pins breakout, which more 16 pins than Arduino MEGA 2560.

## Basic features

- Arduino shields compatible
- 3.3V / 5V operation level
- Wide range power supply and low power consumption
- Small size , all ATmega2560 pins breakout

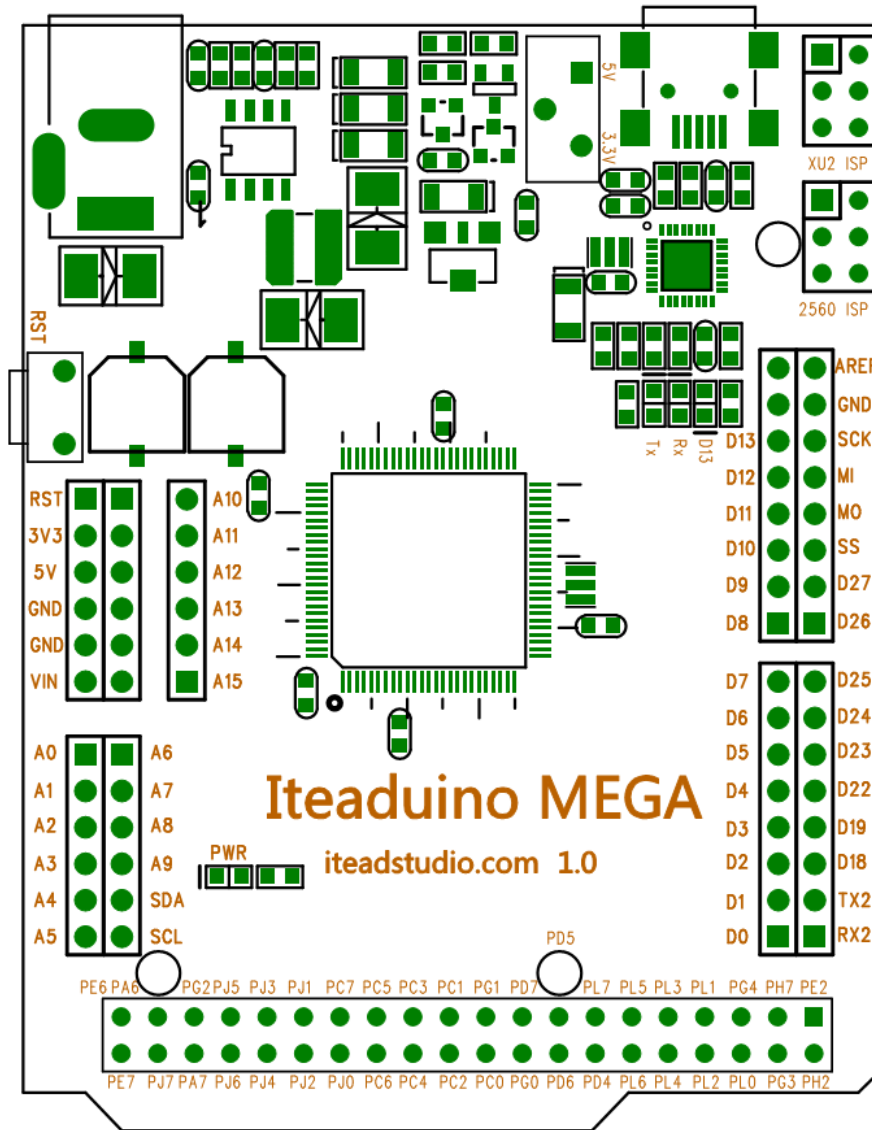
## Specifications

Microprocessor	Atmega2560
PCB size	59mm X 77mm X 1.6mm
Indicators	Power,D13,Tx,Rx
Power supply(recommended)	6-23V DC
Power supply(limits)	23 VDC (max)
Communication Protocol	UART,SPI,IIC
Clock Speed	16MHz
RoHS	Yes

## Electrical Characteristics

Specification	Min	Type	Max	Unit
Input voltage	6.5	-	23	VDC
Operating Voltage	-	3.3/5	-	VDC
DC Current per I/O Pin	-	15	-	mA

# Hardware



Top view

# Pin Map

Pin of Arduino	Pin of Atmega	Pin of Arduino	Pin of Atmega
D0	PE0	RX2	PH1
D1	PE1	TX2	PH0
D2	PE4	D18	PD3
D3	PE3	D19	PD2
D4	PG5	D22	PA0

D5	PE3	D23	PA1
D6	PH3	D24	PA2
D7	PH4	D25	PA3
D8	PH5	D26	PA4
D9	PH6	D27	PA5
D10	PB4	SS	PB0
D11	PB5	MO	PB2
D12	PB6	MI	PB3
D13	PB7	SCK	PB1
A0	PF0	A6	PF6
A1	PF1	A7	PF7
A2	PF2	A8	PK0
A3	PF3	A9	PK1
A4	PF4	SDA	PD1
A5	PF5	SCL	PD0

## Revision History

Rev.	Description	Release date
v1.0	Initial version	2012-12-26