

RB-See-08
Seedstudio Seedduino MEGA V1.1 Microcontroller



Specification and Comparison

	Seeeduino Mega	Arduino Mega
Microcontroller	ATmega1280	ATmega1280
Operating Voltage	5V / 3.3V	5V
Input Voltage (recommended)	7-12V	7-12V
Input Voltage (limits)	6-20V	6-20V
Digital I/O Pins	70 (of which 14 provide PWM output)	54 (of which 14 provide PWM output)
Analog Input Pins	16	16
DC Current per I/O Pin	40 mA	40 mA
DC Current for 3.3V Pin	500 mA	50 mA
Flash Memory	128 KB of which 4 KB used by bootloader	128 KB of which 4 KB used by bootloader
SRAM	8 KB	8 KB
EEPROM	4 KB	4 KB
Clock Speed	16 MHz	16 MHz
Uart Port	3	3
I2C Port	1	1
Dimension	71mm*53mm*11.3mm	101mm*53mm*13.6mm
Power jack	2.54mm JST 2pin (3.5mm converter available)	3.5mm DC jack
Compatibility	Most Arduino Shields, Seeeduino accessories	Most Arduino Shields
Ext/USB power select	Auto	Auto