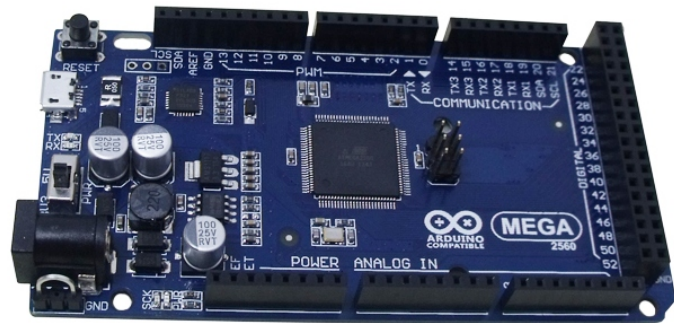


■ INTRODUCTION

MEGA 2560 R3 is an Arduino compatible board, It's based on Arduino MEGA 2560 design, So you can use BUONO MEGA 2560 as Arduino MEGA 2560, All Code, shield and IDE for Arduino MEGA 2560 R3 are also valid on BUONO MEGA 2560, Some visible improvement on hardware make BUONO more flexible and easier use, For example: 3.3V or 5V IO selectable allow you connect some 3.3V modules (such as XBee) to BUONO directly.



■ THE DIFFERENCE BETWEEN Arduino MEGA 2560 AND BUONO MEGA 2560

	Arduino MEGA 2560	BUONO MEGA 2560
USB Connector	Type B Female	Micro USB connector
Operating Voltage	5V	3.3V or 5V selectable
3.3V Current	50mA	600mA
5V Current	500mA	1.8A
Input Range	7V to 12V	6V to 23V
MCU	ATMEGA2560	ATMEGA2560
Others		Ground terminal LPF for AVCC

■ FEATURES

- Inherits all of Arduino MEGA 2560's features
- Compatible to Arduino MEGA 2560's pin layout, screw hole and dimensions
- 3.3V or 5V operating voltage selectable
- More visible location of indication LEDs
- Evolved with SMD components
- Digital I/O pins 54 (of which 15 provided PWM output)
- Analog Input pins 16
- Flash memory 256 KB or which 8KB used by bootloader
- SRAM 8 KB
- EEPROM 4KB
- Clock speed 16MHz
- Micro USB connection make the cable can be mixed use with most digital products such as cell phone
- 5V DC/DC provide 95% efficiency
- 6V to 23V wide rang input
- Provide max 1.8A for peripheral circuits
- Ground terminal make measurement easier

■ PACKAGE LIST

- 1x BUONO MEGA 2560
- 1x Micro USB cable
- 4x Screw and nut

■ CONTACT US

540 Mill River LN San Jose, CA95134

E-mail: support@inhaos.com

Web: www.inhaos.com