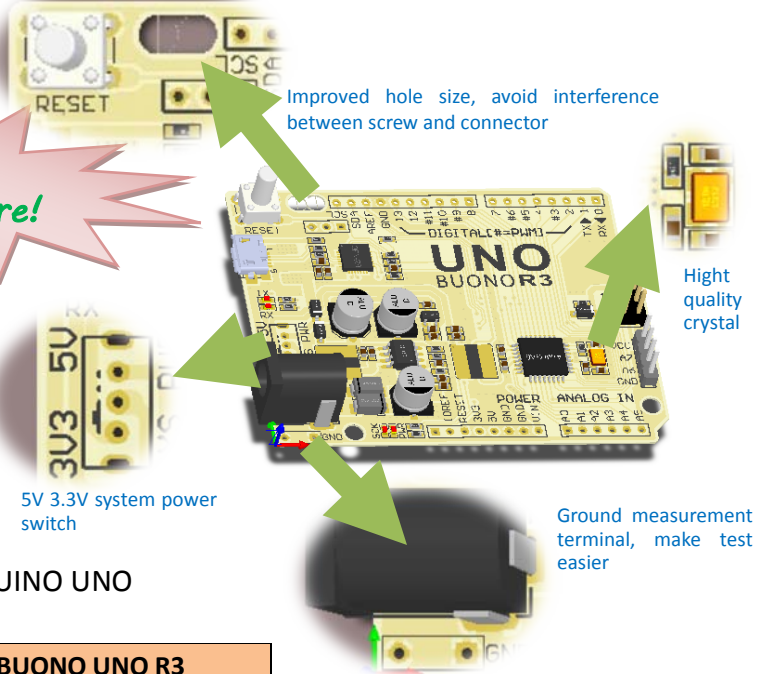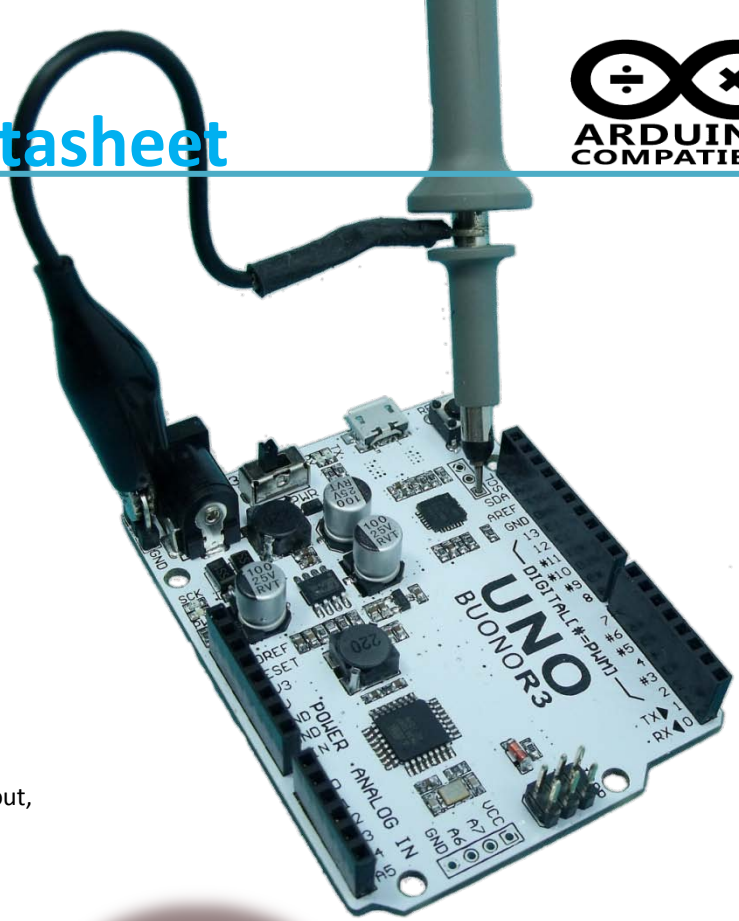# BUONO UNO R3 Datasheet

■ INTRODUCTION

BUONO UNO R3 is an Arduino compatible board, It's based on Arduino UNO R3 design, So you can use BUONO UNO as Arduino UNO, All Code, shield and IDE for Arduino UNO R3 are also valid on BUONO UNO, 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.

■ FEATURES

- Inherits all of Arduino UNO's features
- Compatible to Arduino UNO/Duemilanove's pin layout, screw hole and dimensions
- 3.3V or 5V operating voltage selectable
- More visible location of indicator LEDs
- Evolved with SMD components
- Digital I/O pins 14 (of which 6 provied PWM output)
- Flash memory 32KB or which 0.5KB used by bootloader
- SRAM 2KB
- EEPROM 1KB
- 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 width rang input
- Provide max 1.8A for peripheral circuits
- LC Low pass filter for AVCC make ADC much stable
- Ground terminal make measurement easier

New Feature!

Improved hole size, avoid interference between screw and connector

Hight quality crystal

5V 3.3V system power switch

Ground measurement terminal, make test easier

■ THE DIFFERENCE BETWEEN BUONO UNO R3 AND ARDUINO UNO

	Arduino UNO R3	BUONO UNO R3
USB Connector	Type B Female	Micro USB connector
Operating Voltage	5V	3.3V or 5V selectable
3.3V Current	50mA	300mA
5V Current	500mA	2A
Input Range	7V to 12V	6V to 23V
MCU	Atmega168 or Atmega328	Atmega328 TQFP-32
Others		Ground terminal LPF for AVCC LITE version available

■ PACKAGE LIST

1 x BUONO UNO R3
1 x Micro USB cable

■ CONTACT US

540 Mill River LN San Jose, CA95134
E-mail：support@inhaos.com
Web: www.inhaos.com