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Arduino Uno Rev3

SKU 102990189

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The Arduino Uno Rev 3 is a microcontroller board based on the ATmega328, an 8-bit microcontroller with 32KB of Flash memory and 2KB of RAM. It has 14 digital input/output pins (of which 6 can be used as PWM outputs), 6 analog inputs, a 16 MHz crystal oscillator, a USB connection, a power jack, an ICSP header, and a reset button.

It contains everything needed to support the microcontroller; simply connect it to a computer with a USB cable or power it with a AC-to-DC adapter or battery to get started.The Uno board is the first in a series of USB boards and it is the reference model for the Arduino platform.

Arduino Uno is the ideal board for getting started with electronics, through fun and engaging hands-on projects. This board is your entry to the unique Arduino experience: great for learning the basics of how sensors and actuators work, and an essential tool for your rapid prototyping needs. Arduino Uno Rev3 is the most used and documented board in the Arduino family.

Technical details

Dimensions	80mm x60mm x25mm
Weight	G.W 50g
Battery	Exclude
Microcontroller	ATmega328P
Operating Voltage	5V
nput Voltage (recommended)	7-12V
Input Voltage (limit)	6-20V
Digital I/O Pins	14 (of which 6 provide PWM output)
PWM Digital I/O Pins	6
Analog Input Pins	6
DC Current per I/O Pin	20 mA
DC Current for 3.3V Pin	50 mA
Flash Memory	32 KB (ATmega328P) of which 0.5 KB used by bootloader
SRAM	2 KB (ATmega328P)
EEPROM	1 KB (ATmega328P)
Clock Speed	16 MHz
LED_BUILTIN	13

Part List

Arduino Uno Rev3	1

ECCN/HTS

ECCN	EAR99
HSCODE	8543709990
USHSCODE	85177000
UPC	841454118206

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☐ This item: Arduino Uno Rev3
☐ Base Shield V2
☐ CAN-BUS Shield V2

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