

OKY2012

Product Name:MEGA 2560 R3 ATMEGA16U2 Mega ADK Board With Cable

Description:

This is the new MEGA2560 R3. In addition to all the features of the previous board, the MEGA now uses an ATmega16U2 instead of the ATmega8U2 chip. This allows for faster transfer rates and more memory. No drivers needed, and the ability to have the Uno show up as a keyboard, mouse, joystick, etc.

The MEGA2560 R3 also adds SDA and SCL pins next to the AREF. In addition, there are two new pins placed near the RESET pin. One is the IOREF that allows shields to adapt to the voltage provided from the board. The other is not connected and is reserved for future purposes. The MEGA2560 R3 works with all existing shields but can adapt to new shields which use these additional pins.

New features:

1. Output: Add SDA and SCL pins near the AREF pin, and two new pins placed near the RESET pin. IOREF allows the voltage supplied on the adaptive board to be shielded. In the future, the shield will be compatible with the use of AVR board, AVR with 5V work, using 3.3V work. The second is the unconnected pin for future purposes.
2. Stronger RESET circuit.
3. ATmega 16U2 replace 8U2.

Specification:

Controller	ATmega2560
Input Voltage	7-12V
Digital IO pins	40
Analog input pins	16pcs
DC Current per I/O Pin	100 mA
Operating voltage	5V
Flash Memory	256 KB of which 8 KB used by bootloader
Weight(board)	38g
PWM channel	14
Cable Weight	25g
EEPROM	4 KB

Package Included:

- 1pcs MEGA 2560 R3 ATMEGA16U2 Mega ADK Board
- 1pcs Cable