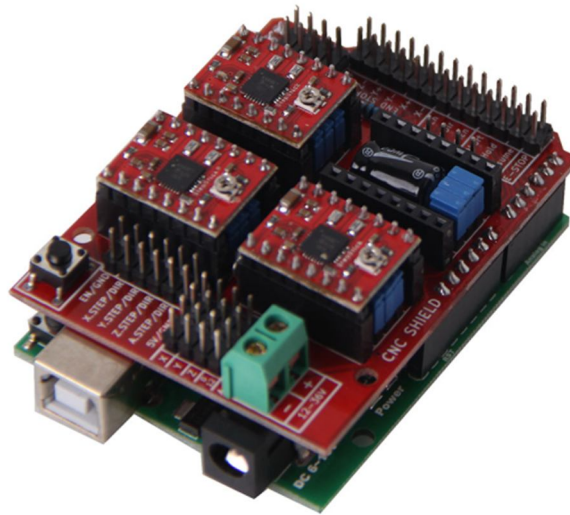


ARDUINO CNC SHIELD



Description:

This expansion board as a driver expansion board, can be used for engraving machines, 3D printers. It is a total of four slots, can drive four A4988 stepper motor. Each road stepper motors only need two IO ports. In other words, six IO ports can be well managed three stepper motors. Very convenient to use. UNO for Arduino module IO port correspondence introduction.

Features:

- Latest Arduino CNC Shield Version 3.10
- GRBL 0.9 compatible. (Open source firmware that runs on an Arduino UNO that turns G-code commands into stepper signals)
- PWM Spindle and direction pins
- 4-Axis support (X, Y, Z, A-Can duplicate X,Y,Z or do a full 4th axis with custom firmware using pins D12 and D13)
- 2 x End stops for each axis (6 in total)
- Coolant enable
- Uses removable Pololu A4988 compatible stepper drivers. (A4988, DRV8825 and others) (Not Included)
- Jumpers to set the Micro-Stepping for the stepper drivers. (Some drivers like the DRV8825 can do up to 1/32 micro-stepping)
- Compact design.
- Stepper Motors can be connected with 4 pin molex connectors or soldered in place.
- Runs on 12-36V DC. (At the moment only the Pololu DRV8825 drivers can handle up to 36V so please consider the operation voltage when powering the board.)

Package included:

- 1 x 3D Printer Expansion Board
- 1 x UNO R3 board
- 4 x A4988 driver

Made in China