

Build It Yourself with Arduino & Raspberry Pi.



Raspberry Pi® and Arduino® have taken the world by storm. These huge open source communities built around widely adopted platforms have become mainstays of educators and enthusiasts looking to solve problems, have fun and even build marketable products!

The power of Raspberry Pi and Arduino comes not from the boards themselves but by passionate builders, home inventors and educators looking to solve the worlds problems. The benefit of a strong community and open platforms is that you can pool resources, get help easily and build upon the ideas of others. In

the decade since Arduino's launch we've seen the electronics community explode with new ideas. These cheap and easy to program platforms put the power of product creation in the hands of every day people. You want a doggie door with a timed lock on it? No problem! A twitter activated coffee machine? Easy! There seems to be no limit to the scale or inventiveness of todays makers.

Introducing the Altronics Inventa® range

Our house brand of Arduino and Pi accessories is Inventa. We are still in the early stages of building up this product range, but rather than just produce more

Arduino clones we want to improve upon designs and offer products never seen before in the Australian market. Our first products are the Inventa Plates and MegaBox. The Inventa Plates are designed to integrate the Arduino platform into home automation projects. While the MegaBox offers an easy way to build a UNO or Mega into a cased device.

These Inventa products are designed and manufactured in Australia by our in house production team.

Happy Building!

Inventa® MegaBox For Arduino®

Arduino UNO and ethernet shield sold separately.



new for 2019

Developed in house by Altronics, this new revised MegaBox is an upgrade of our original K 9670. This revised version accepts an Arduino UNO or Mega to be plugged into it, along with two shields,



Blank front panel for easy rework/custom labelling.

allowing you to design and build your own products. Includes a 16x2 LCD, four control buttons and a rotary encoder on the front panel plus five 2A 5V relay outputs and 8 opto isolated inputs that are available on the rear. All UNO/Mega pins are broken out to header sockets for easy connection to other breakouts. A small 210 hole prototyping area on the main board is included for connecting to other sensors, parts and circuits.

Features: • Utilises a half rack 1RU size case • 16x2 alphanumeric display • Rotary encoder control • 4 push buttons • Compatible with Arduino UNO/mega boards • 5 2A 5V relay outputs • 8 opto isolated inputs • On board reset and LEDs • All main board pins broken out to header sockets

Shield compatibility: Note that the maximum height above the shield PCB is 14mm. The only shield in our range which does not fit within the casing is the Z 6343 motor shield. Shield placement is with the flat side to the rear of the unit.

Price Each	RRP	2+
K 9670A	120.00	110.00

Inventa® Maker Plates



K 9650
Shield to suit Nano

K 9655
Shield to suit Nano

K 9660
SAM3X8E ARM

Developed in house by Altronics, the Inventa Maker Plate was developed to bring Arduino into the home automation sector by incorporating it with standard Australian electrical wallplates. Available in three versions depending on your requirements or budget.

K 9650 is an Arduino compatible design which will fit standard shields and has 12 buttons on a lexan membrane which can be assigned to various functions.

K 9655 is an Arduino compatible design which will fit standard shields and has a 16x2 LCD, plus an array of selector buttons on a lexan membrane.

K 9660 utilises the powerful SAM3X8E ARM CPU as found on the Arduino Due and features a 2.8" TFT touchscreen and stylish bezel for a professional finish to your project. Standard shield headers are provided on the rear.

Features: • Standard Australian electrical wallplates (two facia covers provided) • atMega328p microcontroller • K 9660 features Arduino DUE spec CPU

Applications: • Control heating, cooling, lighting in the home • Trigger garage door motors, pool controls, automatic blinds and locks • Automate reticulation, fans and other devices

Price Each	RRP	2+
K 9650 12 Button Shield	59.95	55.00
K 9655 16x2 LCD Shield	84.95	79.95
K 9660 2.8" TFT Touchscreen With SAM3X8E ARM CPU	175.00	160.00