

DESIGN BOARDS FOR MAKERS



INTEL EDISON

A high performance board for IoT and wearable applications based on the Intel Atom



BEAGLEBONE BLACK

Open source platform based on the 1-GHz Sitara AM335x ARM Cortex-A8 processor



RASPBERRY Pi 3 MODEL B

A tiny, affordable computer ideal for education and maker projects

Processor Architecture	<ul style="list-style-type: none"> Intel Atom 	<ul style="list-style-type: none"> ARM Cortex A8 	<ul style="list-style-type: none"> ARM 8
RAM	<ul style="list-style-type: none"> 1 GB LPDDR3 	<ul style="list-style-type: none"> 512 MB DDR 3 	<ul style="list-style-type: none"> 1 GB
Flash	<ul style="list-style-type: none"> 4 GB eMMC 	<ul style="list-style-type: none"> 4GB eMMC 	<ul style="list-style-type: none"> MicroSD card slot
Comms	<ul style="list-style-type: none"> WiFi, Bluetooth 	<ul style="list-style-type: none"> USB, Ethernet 	<ul style="list-style-type: none"> 4 x USB, Ethernet, WiFi, Bluetooth, Bluetooth LE
Video	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> HDMI interface 	<ul style="list-style-type: none"> HDMI, DSI
Audio	<ul style="list-style-type: none"> I2S 	<ul style="list-style-type: none"> Via HDMI, stereo 	<ul style="list-style-type: none"> 4 pole stereo output
OS	<ul style="list-style-type: none"> Yocto Linux v1.6 	<ul style="list-style-type: none"> Debian 	<ul style="list-style-type: none"> Rasbian (Debian Jessie)
Other OSs	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Android & Ubuntu 	<ul style="list-style-type: none"> Linux, RISC OS, PINET, Windows 10 IOT Core
Size	<ul style="list-style-type: none"> 35.5 mm x 25 mm 	<ul style="list-style-type: none"> 86 mm x 53 mm 	<ul style="list-style-type: none"> 85.6 mm x 56.5 mm

NEW PRODUCTS

MOTOROLA MOTO MODS KIT

Custom applications that connect to the Smart Surface on a Motorola Moto Z cellphone

INTEL TINY TILE

Miniaturised Arduino/Genuino 101 board using Intel Curie low-power compute module

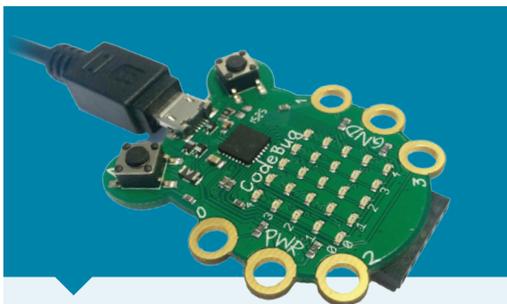
BEAGLEBONE BLACK WIRELESS

The newest board in the BeagleBone family with onboard WiFi and Bluetooth



DISCOVER MORE
www.devboardselector.com

DESIGN BOARDS FOR EDUCATION



CODEBUG

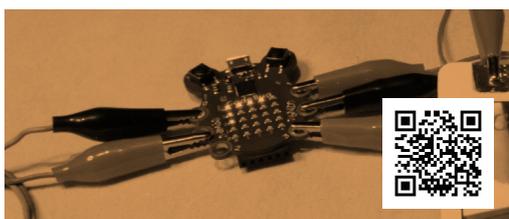
CodeBug is a fun and engaging board that lets anyone at any age build interactive devices while learning simple programming and electronic concepts. The board includes a 5x5 red LED display, 2 buttons, 6 touch sensitive I/O pads, a Micro USB socket and a configurable expansion port. With an integrated battery holder, it can be used anywhere; even sewn onto clothing. The online programming tools include the Blockly-based programming interface that is ideal for introducing programming concepts to young children and a simulator to check code before downloading.



RASPBERRY Pi 3 MODEL B

The Raspberry Pi is a powerful, credit-card sized board designed for teaching computer science. With extensive support available, including Picademy, a free teacher training initiative, it allows students to build creative projects using a wide range of tools. The Raspberry Pi 3 has comprehensive connectivity, including Ethernet, WiFi, Bluetooth and USB, and offers an HDMI port for connecting to a display. The HAT bus allows expansion boards to be added easily, providing additional functionality from motor control to GPS navigation.

PROJECTS



QUIZBUG

This project uses the CodeBug to create a quiz game. It makes use of the touch-sensitive legs to detect the user's choice, a connected buzzer and the LED display to show the correct answer. It's a great project that lets students develop simple hardware as well as creating code. goo.gl/qWSQdi



HAL-CAM 9001

This project turns the Raspberry Pi into an intelligent security camera that not only detects movement, but can also tell the difference between trees moving in the air, a car or a human. Detailed construction information is available to make building the camera easier. goo.gl/YRmhsh

