

Edison Features and Benefits

- Edison is a complete STEAM teaching resource for coding and robotics education.
- Edison is affordable at less than US\$50 per unit and just US\$33 each for a full class set.
- Easy-to-use with no coding experience required, Edison is compact and durable.
- Ideal for students from K-12 and perfect for schools to use across multiple classes.
- Edison's transparent top allows you to see the robot's electronic components, enabling better understanding of the science and engineering elements in play.
- Edison is easy to use with seven pre-programmed robot activities set by barcodes, including remote control driving with most standard TV or DVD remote controls. Teach Edison to avoid obstacles, follow a line or torch or even sumo wrestle.
- Edison is modular and easily expandable with LEGO bricks which can be attached to the top and bottom of the Edison robot. LEGO pegs can also be attached to the sides. Multiple Edison robots can also be attached together.
- Thanks to built-in sensors, lights and sounds plus autonomous behaviour capabilities, true robotics education is possible with Edison. Edison can:
 - Respond to light and sound
 - Follow lines and avoid obstacles
 - Read pre-set barcode programs
 - Communicate with other Edison robots
- Program Edison with any of our three free web-based programming languages – no software to purchase or install:
 - **EdBlocks** – A drag-and-drop block-based language developed using open source base code from MIT and Google, perfect for introducing anyone to programming.
 - **EdWare** – A hybrid graphical robot programming language combines the ease of drag-and-drop graphical icons with increased functionality from text-based entry.
 - **EdPy** – Based on the popular computer programming language, Python, EdPy makes text-based programming fun while taking students to a more advanced level of coding.
- There are loads of free resources available from www.meetedison.com including over thirty lesson plans, teacher's guides, three activity books and an EdMat.
- Edison is programmed via an EdComm programming cable (included) which plugs into your headphone jack. This allows Edison to be programmed from devices that don't have USB ports, such as iPads. You can even hear your program download into Edison!
- Edison takes 4 'AAA' batteries (not included).