

**SG****EDUCATION****Raspberry Pi Pico**

Introduce your students to the exciting world of computing and electronics with Raspberry Pi Pico!

This affordable microcontroller board is perfect for hands-on learning, supporting multiple programming languages like MicroPython and C/C++.

With Raspberry Pi Pico, students can unleash their creativity through interactive projects while developing essential problem-solving skills. Join a community of educators and enthusiasts to access resources, lesson plans, and project ideas, and empower your students to become digital innovators.

Start the educational revolution in your classroom today with Raspberry Pi Pico!

### Raspberry Pi Pico W Wireless with Headers

RP SC19562 €10.70



The Raspberry Pi Pico W features pre-soldered headers for easy wireless connectivity integration, ideal for IoT projects. Powered by the RP2040 chip, it boasts 256KB RAM, 2MB Flash memory, and versatile I/O options. With no operating system, it's programmed for specific project tasks using C/C++ SDK or MicroPython.

### MonkMakes Breadboard for Raspberry Pi Pico

MONK 089 €5.95



Simplify prototyping with the Monk Makes solderless breadboard, featuring labeled pins for easy connection. With 400 tie points, 2 power buses, and adhesive backing, it accommodates various components and allows for complex circuit building without soldering. RoHS compliant and rated for low voltage, low current, it offers maximum safety with a 50V at 2A limit.

### Kitronik Inventor's Kit for Raspberry Pi Pico

KI 5342 €39.95



Featuring 10 experiments and comprehensive guidance for circuit construction and control using MicroPython. No soldering needed, start building circuits instantly with the included Inventor's prototyping system. Explore LEDs, motors, switches, and more with detailed instructions and over 60 components and connectors.

### Kitronik Robotics Board for Raspberry Pi Pico

KI 5329 €23.95



Elevate your robotics project with this Robotics Board, empowering it to drive 4 motors or 2 stepper motors and 8 servos. Featuring 27 I/O expansion points and power connections, it simplifies control with dual H Bridge Motor Driver ICs and 16-channel driver IC for servo outputs. With convenient power options and onboard regulation, it streamlines project setup for seamless integration.

### Kitronik Autonomous Robotics Buggy for Pico

KI 5335 €54.95



With a comprehensive booklet and online tutorials, learn to assemble and code this robot buggy effortlessly. No soldering required; simply attach components and program your buggy to react to its surroundings using MicroPython and the Thonny editor. With added flexibility for modifications, this platform promises endless fun and learning opportunities.

### Kitronik ZIP96 Retro Gamer for Pi Pico

KI 5347 €46.95



Experience retro gaming fun with the Kitronik ZIP96 Retro Gamer for Pico, a handheld gaming solution packed with features. Featuring a 96 LED display, buzzer, vibration motor, and 6 input buttons, it offers immersive gaming controlled entirely by code. Ideal for learners and gaming enthusiasts alike.

## Kitronik Simply Servos Board for Pi Pico

KI 5339 €10.95



Empower your project with this Simply Servos Board, designed for seamless control of up to 8 servos. Compatible with Pico boards featuring soldered pin headers, it simplifies setup with standard servo connectors and onboard power regulation. Expand functionality with 5 external GPIO connections and enjoy added convenience with an on/off switch and reverse polarity protection for reliable operation.

## Kitronik Pathway Course Pack for Pi Pico

KI 5343 €9.95



This pathway pack supports Raspberry Pi Pico Pathway activities, offering beginners an introduction to digital making. It includes components like LEDs, resistors, a tactile switch, potentiometer, and more. The activities include LED firefly, beating heart, mood indicator, sound machine & sensory gadget etc.. enabling you to learn to connect and control various elements with the Pico.

## Kitronik Simply Robotics Motor Driver Board for Pi Pico

KI 5348 €17.95



Transform your robot or buggy project with the Simply Robotics Board, boasting dual H-Bridge Motor Driver ICs and 8 servo outputs, all controllable via the Pico board. With up to 1A per channel, it accommodates various motors and features built-in overcurrent protection for reliability. Enjoy hassle-free setup with standard servo connectors and expand functionality with GPIO pin connections.

## MonkMakes Illuminata LED Bulb for Pi Pico

MONK 098 €5.95



Simplify high-brightness bulb connections with the Illuminata board, compatible with Raspberry Pi, Pico, Arduino, ESP32, and other microcontrollers. Featuring a transistor for switching three high-brightness LEDs, it enables easy control of light bulbs via the microcontroller's output pin, offering power and control connections for seamless integration.

## MonkMakes Amplified Speaker for Pi Pico

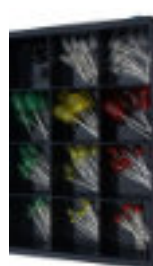
MONK 101 €11.50



Experience hassle-free audio amplification with the MonkMakes Amplified Speaker, designed for easy integration with Raspberry Pi. With a 3.3 to 6V power supply requirement, it features a 3.5mm stereo audio jack socket for audio input, mixed to a mono signal for convenience. Additionally, it includes a separate input with a low-pass filter specifically for PWM/PCM audio applications.

## Kitronik LED Starter Kit

KI 2327 €24.94



Explore a variety of LEDs with the LED Starter Kit, offering red, green, and yellow LEDs in 3mm, 5mm, and 10mm sizes, alongside Colour Changing and Tri-colour LEDs. Complete with 5mm LED panel mounting holders, the kit includes 105 parts organized in a multiple compartment storage box for easy access and organization.

## Kitronik Discovery Kit for Raspberry Pi Pico

KI 5333 €13.95



Featuring 7 experiments covering microcontrollers basics to advanced concepts, it includes all components and a comprehensive guide booklet. Explore coding, Interrupts, Threads, Inputs, and Outputs with ease using the large-format breadboard and reusable packaging for long-term storage.

## 4xAA Battery Holder with Switch & Leads

KI 2222 €2.20



Power your projects with ease using the 4xAA Covered Battery Holder, equipped with a built-in on/off power switch and 150mm color-coded flying leads for convenient setup. With a sliding cover for quick battery access and a hard plastic case resistant to impacts and vibrations, it's an ideal choice for any project requiring AA battery power, ensuring reliability and durability in various applications.

## Kitronik 1m USB Type-A to Micro-B USB Noodle Cable

KI 4154 €2.50



Enjoy tangle-free connectivity with the 1M White Anti-Tangle USB Type-A to Micro-B USB Noodle cable. Its flat design prevents tangling, ensuring hassle-free storage and usage.

## Jumper Wires Male/Male Pack of 40

KI 4110-40 €3.95



These are 20cm long jumpers in packs of 40. Multiple jumpers can be installed next to one another on a 0.1" header.