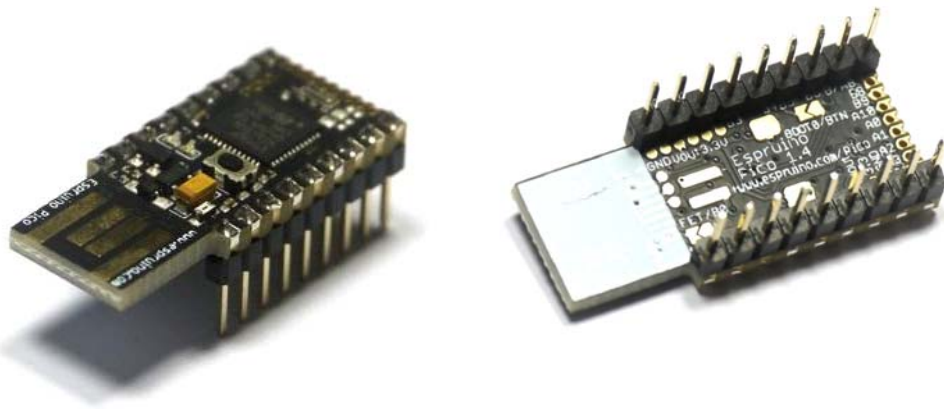


Espruino Pico

ESP001



A tiny USB stick that runs JavaScript - control things in the real world in just seconds!

The Espruino Pico is a tiny USB stick that runs JavaScript code (it doesn't need to be plugged into a computer). You can program it with nothing but a serial terminal program, but there's also an IDE that runs in the Chrome Web browser. It's got a syntax highlighted editor as well as a graphical programming language.

The IDE is so quick and easy to install that the Pico has possibly the shortest time-to-blink that we've ever seen.

Once you've uploaded code, you can inspect and change variables (including functions!) while your program is running.

There's loads of documentation, tutorials and support for a huge range of different hardware too.

See how to get started here, or if you have any questions ask away on our forums!

Quick Reference

```
// Turn LED1 on
digitalWrite(LED1, 1);
// Blink LED1 for 100ms
digitalPulse(LED2, 1, 100, 150);
// Turn LED1 off after 1 sec
setTimeout(function() {
  digitalWrite(LED1, 0);
}, 1000, /* milliseconds */);
// 50% duty cycle, 300Hz square wave
analogWrite(A8, 0.5, {freq:300});
// Internal pullup, read value
pinMode(B15, "input_pullup");
console.log(digitalRead(B15));
// Read analog value every 100ms, light LED1
setInterval(function() {
  var a = analogRead(A5);
  digitalWrite(LED1, a>0.5);
}, 100);
// Button is pressed
setWatch(function() {
  console.log('Press at ' + e.time);
}, BTN, {repeat: true, edge: "rising", debounce: 50 });
```

