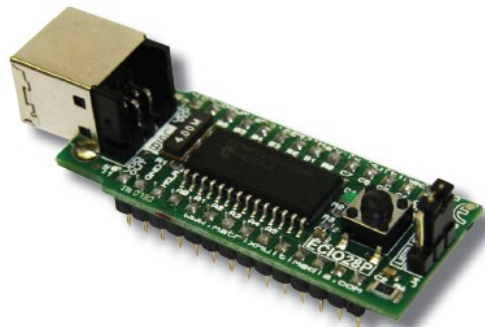


ECIO-40P



ECIO-28P

## What does it do?

The ECIO is a powerful USB programmable microcontroller with a 28 and 40 pin DIL (0.6") footprint.

### Benefits

- Allows you to add USB programmability to your projects
- Ultra-low cost PIC programming, development and learning

### Features

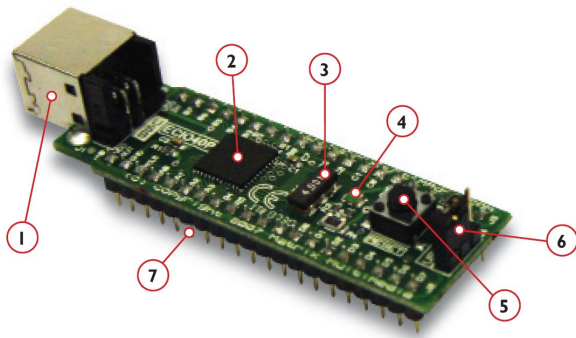
- Programmable from USB
- Rapid program download
- Includes bootloader software
- Powered from USB or 5V external power supply - jumper link selectable.

## Description

The ECIO family of USB programmable microcontrollers provides an incredibly simple way of adopting microcontroller technology into your projects. The device behaves just like a normal microcontroller - but when you plug the USB lead in and press the reset switch you can send a new program to the device. This makes the ECIO one of the lowest cost USB programmers in the World.

The ECIO microcontrollers are pre-programmed with a bootloader program which allows you to send a new program to the microcontroller via USB. ECIO is compatible with hex code from any appropriate compiler.

# Package details



1. USB socket
2. PICmicro microcontroller device
3. 4MHz ceramic resonator
4. Power / Programming LED
5. Reset switch
6. Power selection jumper
7. Device pins

Picture shows ECIO-40P.  
ECIO-28P is similar.

	ECIO-40P	ECIO-28P
Processor:	8 bit 18 series PICmicro	8 bit 18 series PICmicro
Base chip:	PIC18F4455	PIC18F2455
Oscillator:	48MHz	48MHz
IO lines:	30	19
A/D:	9 x 10 bit	6 x 10 bit
A/D sample rate:	100Ksps	100Ksps
Program memory:	24K Bytes	24K Bytes
RAM:	2K bytes	2K bytes
EEPROM:	256 bytes	256 bytes
Power:	5V, USB or external	5V, USB or external
PWM Channels:	5	2
Timers:	1 x 8 bit, 3 x 16 bit	1 x 8 bit, 3 x 16 bit
Interfaces:	EUSART, MI2C, SPI, USB2.0	EUSART, MI2C, SPI, USB2.0
Package:	40 pin DIP compatible	28 pin DIP compatible

