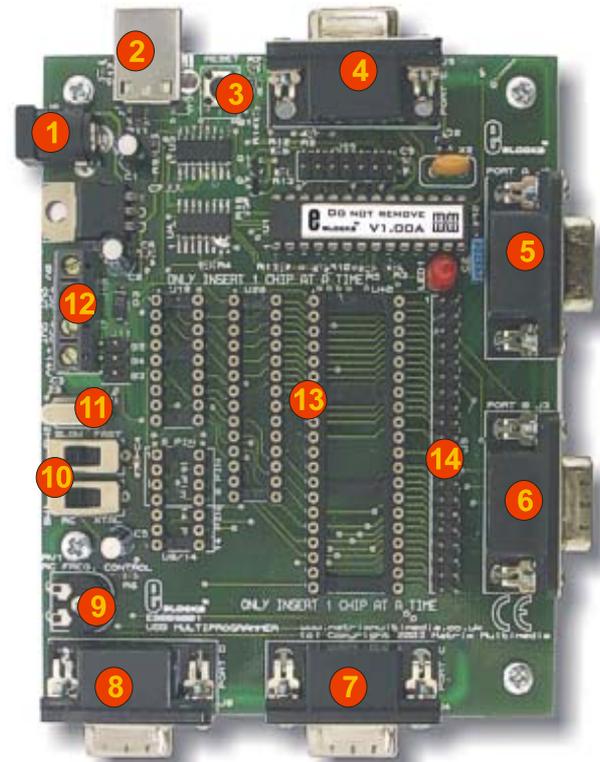


- E-blocks compatible
- Can be used as a programmer and as a development board
- Programs a wide range of PICmicro MCU devices
- RC or Xtal operation
- 5 I/O ports
- Interchangeable crystal
- Fitted with PIC16F88 as standard
- Comprehensive programming utility provided
- Lite version of 3 CD ROMs provided

This new PICmicro microcontroller programmer connects to your PC via USB to provide you with one of the World's lowest cost and most flexible PICmicro® microcontroller programmers. This board can be used with Assembly, C or Flowcode programming utilities provided by Matrix Multimedia. The board will program most 8, 14, 18, 28 and 40 pin PICmicro microcontroller devices using the flexible programming software provided – PPP - and provides 'clean' access to all I/O lines on the relevant PICmicro MCU devices.

Full programming software – PPP – is provided. A description of PPP and a list of compatible PICmicro devices is given below.

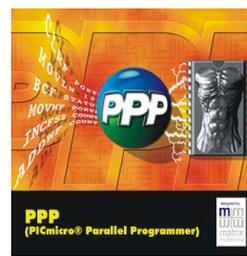
This board is part of the E-blocks™ family of products:



- 1 Power connector - unregulated 12V supply via PSU jack (positive outer) or 2 terminal screw connector
- 2 USB connector
- 3 Reset switch
- 4 Port E – up to 3 lines
- 5 Port A – up to 5 lines
- 6 Port B – up to 8 lines
- 7 Port C – up to 8 lines
- 8 Port D – up to 8 lines
- 9 RC clock speed control – fast and slow
- 10 Oscillator select switches – the board operates from RC circuit or Crystal circuit
- 11 Crystal fitted in a socket – this can be removed for different applications
- 12 Screw terminals for power connections – including 5V out
- 13 PICmicro microcontroller sockets – supports 8, 14, 18, 28, and 40 pin devices



This product includes:



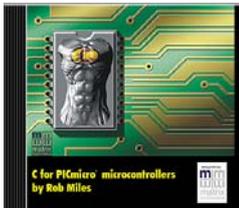
PPP programming utility



Sampler CD ROM

PPP programming utility

PPP is compatible with our ranges of programming utilities and courses:



C for PICmicro microcontrollers V3.0



Flowcode for PICmicro microcontrollers V2.0



Assembly for PICmicro microcontrollers V2.0

PPP is a highly functional utility for managing the HEX code that is sent into your PICmicro microcontroller. ASCII-encoded and HEX files generated by MPASM can be sent to a device using PPP. PPP uses a simple user interface which is explained in the accompanying help file. PPP is supplied free with the development board.

Minimum requirements

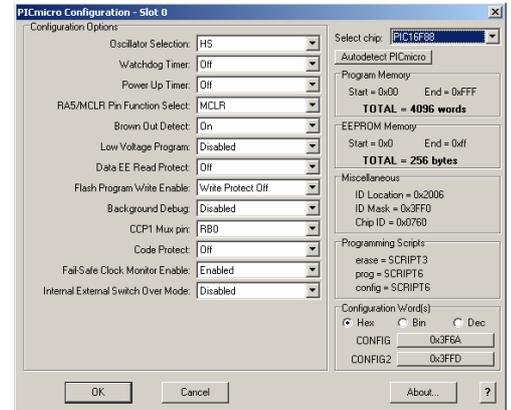
Pentium 100MHz, Parallel port or USB port, 2 Megabytes of hard drive space, 16 Megabytes of RAM, Windows 98/ME/2000/XP

Supported devices

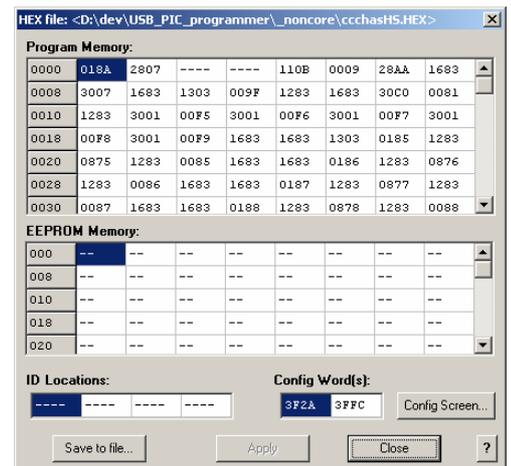
Currently PPP and the development board support the following devices:

PIC12C671, PIC12C672, PIC12CE673, PIC12CE674, PIC12F629, PIC12F675, PIC16C554, PIC16C558, PIC16C61, PIC16C62, PIC16C620, PIC16C620A, PIC16C62, PIC16C621A, PIC16C622, PIC16C622A, PIC16C62A, PIC16C62B, PIC16C63, PIC16C63A, PIC16C64, PIC16C64A, PIC16C65, PIC16C65A, PIC16C65B, PIC16C66, PIC16C67, PIC16C71, PIC16C710, PIC16C711, PIC16C712, PIC16C715, PIC16C716, PIC16C72, PIC16C72A, PIC16C73, PIC16C73A, PIC16C73B, PIC16C74, PIC16C745, PIC16C74A, PIC16C74B, PIC16C76, PIC16C765, PIC16C77, PIC16C773, PIC16C774, PIC16C84, PIC16CE623, PIC16CE624, PIC16CE625, PIC16CR62, PIC16CR620A, PIC16CR63, PIC16CR64, PIC16CR65, PIC16CR72, PIC16CR83, PIC16CR84, PIC16F627, PIC16F627A, PIC16F628, PIC16F628A, PIC16F630, PIC16F648A, PIC16F676, PIC16F684, PIC16F688, PIC16F716, PIC16F72, PIC16F73, PIC16F737, PIC16F74, PIC16F747, PIC16F76, PIC16F767, PIC16F77, PIC16F777, PIC16F818, PIC16F819, PIC16F83, PIC16F84, PIC16F84A, PIC16F87, PIC16F870, PIC16F871, PIC16F872, PIC16F873, PIC16F873A, PIC16F874, PIC16F874A, PIC16F876, PIC16F876A, PIC16F877, PIC16F877A, PIC16F88

PPP screen images



PPP configuration screen



Hex file display screen