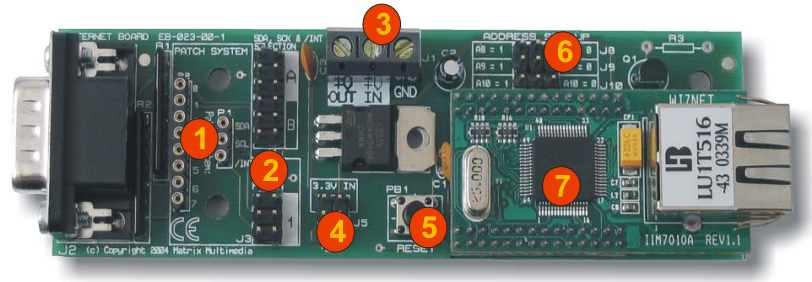


E-blocks internet module

Allows rapid development of embedded internet systems

EB02360

- Flexible web based development board
- Allows access to all internet functions such as embedded web paged and embedded email
- Full Flowcode macros available
- Suitable for teaching and learning web based communications technology.



- 1 patch system
- 2 Link blocks
- 3 power connector
- 4 Power supply options
- 5 Reset button
- 6 ID jumpers
- 7 Wiznet module

Based on the W3100A hardwired TCP/IP stack chip from WizNET, this E-blocks board adds Ethernet functionality to an existing microprocessor based system without the necessity of a developing the TCP/IP software stack. As well as the Ethernet protocol the module supports 10/100 connection and a number of protocols including UDP, IP, ARP, ICMP, DCHP, ARP, DLC and MAC.

The unit interfaces to a microprocessor using I2C serial communication. The patch jumpers on the board allow more than one Ethernet module to be connected to the I2C bus.

A number of high level Flowcode macros are available for this E-block, which are designed to greatly simplify the process of setting up simple web pages, and data transfer using Ethernet and internet protocols.

The board is superb for developing simple web pages for embedded computers, and for transferring data. When used in conjunction with Flowcode and E-blocks the module can be used for teaching and learning about internet technology and protocols.

The Internet board allows implementation of many communications protocols in the OSI model as shown by the purple dots on the diagram below:

