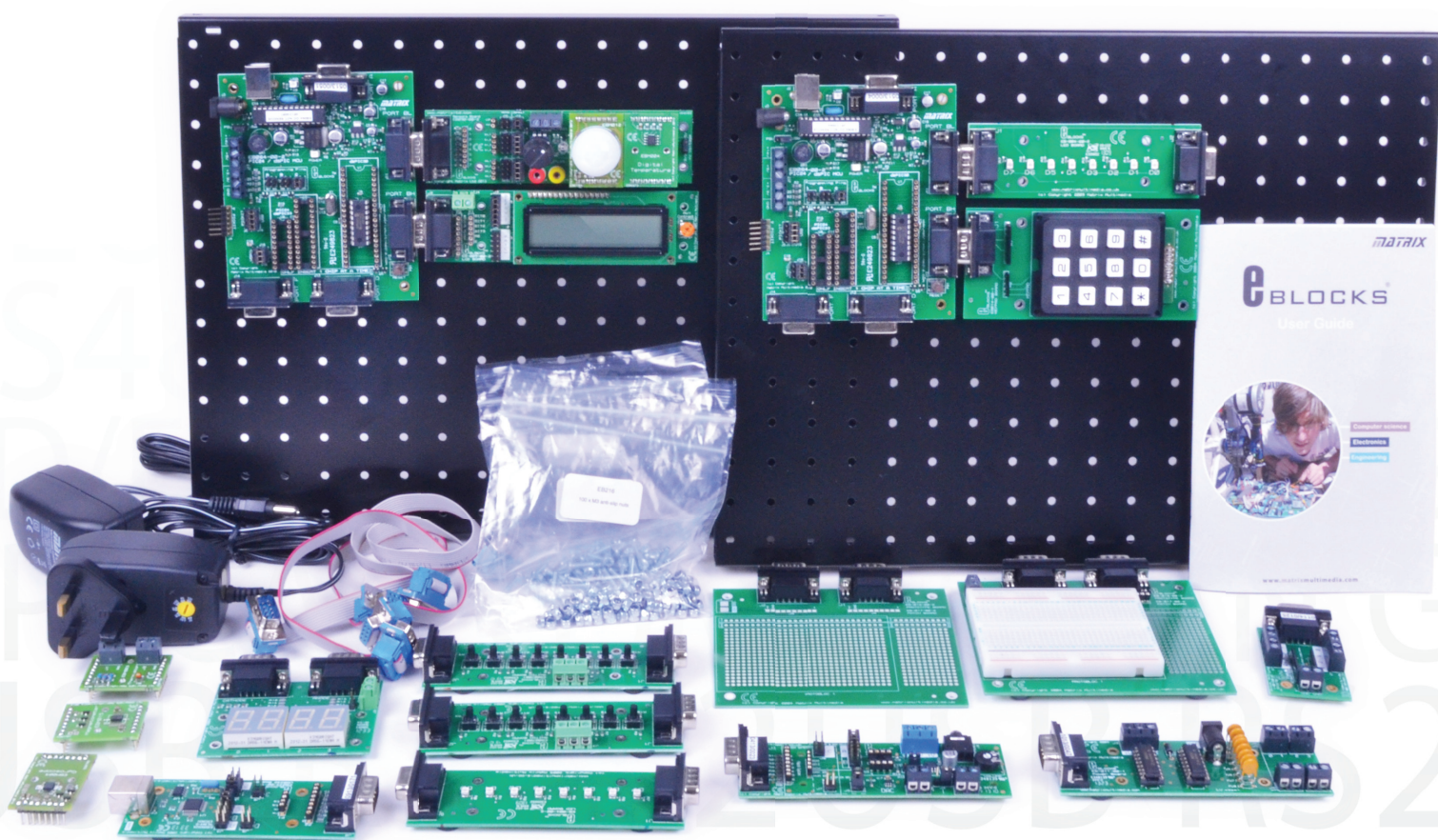


eBLOCKS[®]

Deluxe dsPIC/PIC24[®] starter pack



BLUETOOTH BLUETOOTH
RS485 TCP/IP RS485 TCP
SD/FAT ZIGBEE SD/FAT ZIG
SPI CAN GSM SPI CAN G
IC

General information

This board provides a selection of E-blocks™ that can be used for a wide range of applications in microcontroller programming: both for learning and for projects.

1. Features

- Two programmer/Processor E-block boards
- A selection of peripheral and interface E-block boards
- Metal backplanes and accessories for mounting the E-blocks
- Mains power supply adaptor
- Supplied in rugged storage/transport trays
- Downloadable resources from the Matrix TSL website, including: Utility software for downloading compiled code
- Free online course in microcontroller programming

2. Benefits

- Can be used with a wide range of students - from technician to postgraduate
- Saves a great deal of time in project construction
- Can be combined with our courseware to provide a complete solution to learning

Pack description

These deluxe packs are ideal for the more sophisticated learner who needs to learn more than just the basics of microcontroller programming- particularly where communications between one microcontroller and another are an important issue and for this reason they include two device programmer boards.

This pack contains two metal backplanes for mounting E-blocks, a power supply, a collection of individual E-blocks together with rugged plastic storage trays and accessories like nuts and bolts, mounting pillars, cables and IDC connectors etc. The E-blocks boards and accessories can be used to form a wide number of electronic systems, for learning or for project work, and additional E-blocks boards and sensors can be added to these systems as you need them.

Plastic covers for all E-blocks are available which can extend E-block board life and prevent chips and links from being removed.

The product is shipped in rugged plastic trays for storage and transport and is supplied at a considerable discount to the sum of the costs of the individual parts.

A free online tutorial in microcontroller programming is available on the Matrix TSL website, much of which can be completed with the demonstration version of Flowcode, which is available as a free download.

Courseware and software for programming in C or assembly is available separately, as is a full version of our graphical programming software - Flowcode.

Further information

1. Learning time

Not applicable: learning time is dictated by the course used with E-blocks. Flowcode, Assembly and C can each be used to give learning courses of 50 - 60 hours.

2. Prerequisites

Depends on course undertaken

3. Manual

An E-blocks user's guide is available electronically.

4. System requirements

PC with CD ROM drive and Windows XP or later.

5. Further information

A separate datasheet is available for each of the E-blocks boards included in the pack. Please see our web site for details.

6. Order code

The order code for this product is EB7845.

7. Also consider

Courses in Flowcode, C and Assembly code programming.

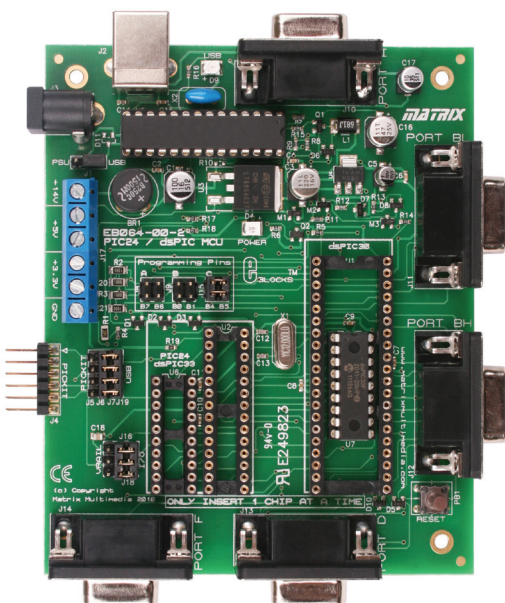
Deluxe starter packs

Solutions and trainer packs

Pack Contents

The table gives a list of the major items of the pack contents.

Datasheets on any individual item are available from the resource section of the Matrix TSL website www.matrixtsl.com



| Qty | Description |
|-----|---------------------------------------|
| 2 | Metal backplane and accessories |
| 1 | E-blocks terminal board |
| 2 | E-blocks LED board |
| 1 | E-blocks LCD board |
| 2 | E-blocks push-to-make switch board |
| 1 | E-blocks Dual 7-segment display |
| 1 | E-blocks power board |
| 1 | E-blocks SPI bus D/A and memory board |
| 1 | E-blocks Keypad board |
| 1 | E-blocks Prototype board |
| 1 | E-blocks patch board kit |
| 1 | E-blocks USB 232 board |
| 2 | dsPIC/PIC24 Multiprogrammer |
| 2 | dsPIC30F3014 chip |
| 1 | E-blocks sensors mother board |
| 1 | Thermistor sensor module |
| 1 | Digital temperature sensor module |
| 1 | Gyroscope sensor module |
| 1 | Passive infrared (PIR) sensor module |
| 1 | Magnetometer sensor module |
| 2 | Power supply |



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