MATRIX

eBLOCKS®

Easy GPS bundle

General information

This product is a bundle containing a selection of E-blocks development boards together with a professional version of Flowcode graphical development software.

1. Features
- All software and hardware needed is included
- Rapid development opf GPS systems
- Includes a downloadable copy of Flowcode Pro V6

Description

This bundle includes everything you need to rapidly develop a fully working GPS system. The kit includes the E-Blocks LED board, E-Block LCD board, E-Blocks Switch board, E-blocks PICmicro multiprogrammer, E-blocks GPS board with antenna, an International power supply, USB lead and a downloadable professional version of Flowcode 6.

All circuit diagrams for the boards are available via download which allows you to develop your own circuit board having prototyped your system with E-blocks. Flowcode 6 facilitates extremely rapid development of your system and includes software routines for controlling the GPS board and easy access of GPS information. The GPS module uses multiple orbiting satellites to calculate its position. Once an initial position has been acquired the GPS receiver continues to send position information directly to the microcontroller ready for further processing. The GPS is also capable of streaming universal time and data (UTC) directly to your microcontroller for use in your application. Start-up time reduction can be facilitated by an on-board battery (not included).

Learning resources

Flowcode V6 includes over 200 components that simplify both learning and development of embedded systems, such as wired and wireless communication protocols and applications.

Detailed datasheets are available for each e-Block board via download from the Resource or Learning Centre sections of the Matrix TSL website.

Articles and software examples for teaching and application development for this selection of E-blocks are available on the Resource and Wiki sections of the Matrix TSL website. Additional help is available from the broad spread of experienced members of the Matrix TSL online forum.

Matrix TSL Learning Centre:
http://www.matrixtsl.com/lc_index.php
Flowcode Wiki:
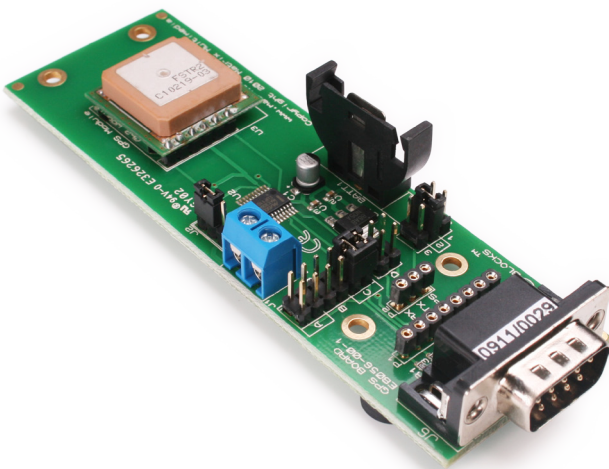http://www.matrixtsl.com/wiki
Matrix TSL Forum:
http://www.matrixtsl.com/mmforums

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
1	E-blocks LED board
1	E-Blocks LCD board
1	E-blocks PICmicro multiprogrammer
1	E-Blocks push-to-make switch board
1	E-blocks GPS board
1	Flowcode V6 Professional Commerical single, PIC
1	Power supply
1	USB lead

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