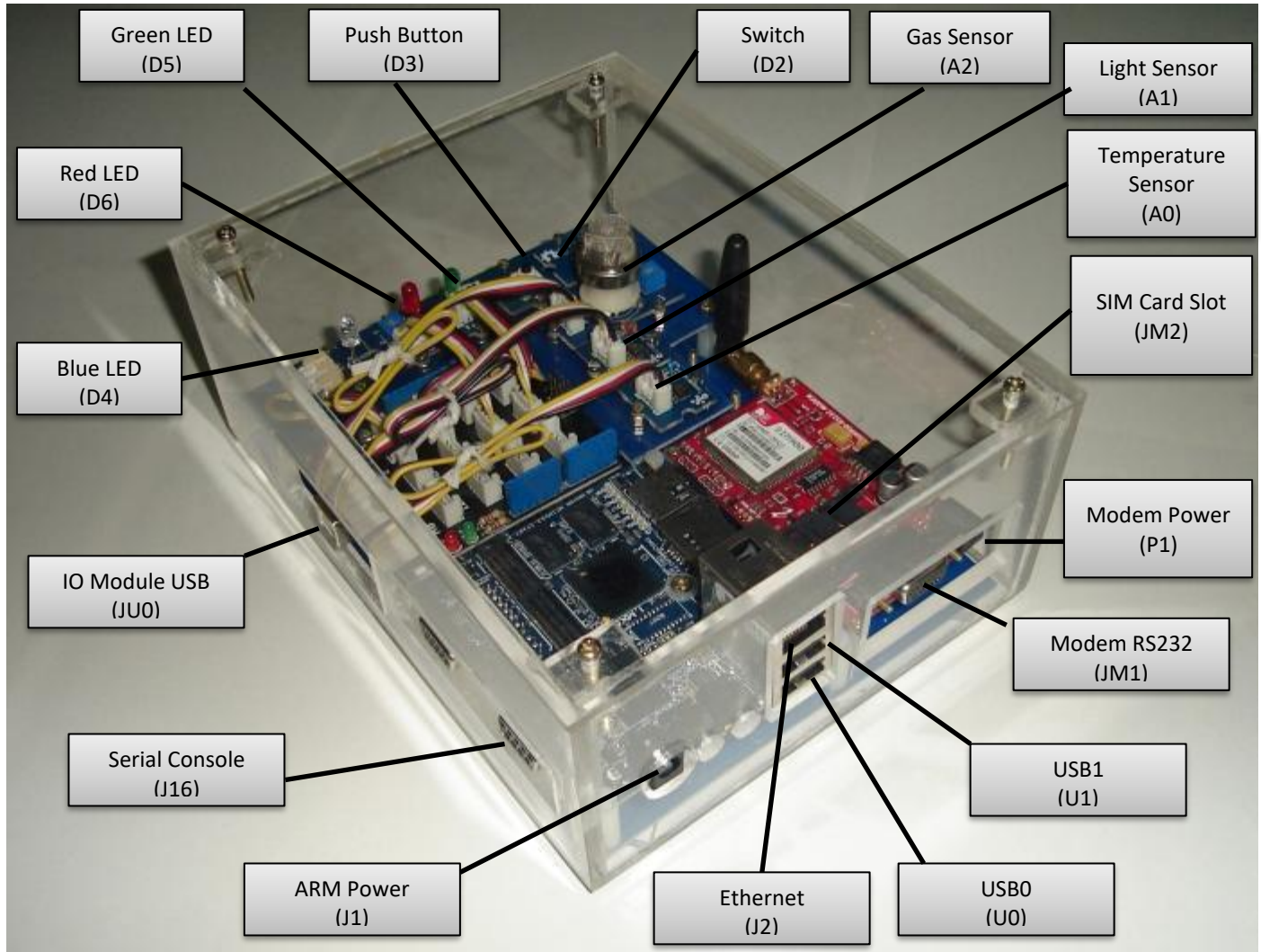


Wisic RTOS Trainer Kit



Wisic (Wireless Science) RTOS Hardware Trainer Kit provides fast and effective way to acquire the skills necessary to design and develop Wireless Scientific real time applications with VxWorks RTOS.



KIT OVERVIEW

CoreEmbedded Wisic RTOS Trainer Kit consists of 3 hardware modules supporting VxWorks® Hard Real Time Operating System.

- ARM Cortex-A8 Microprocessor Board
- IO Module with Analog Inputs and Digital IO
- Wireless GSM/GPRS RS232 Modem

ARM Cortex-A8 microprocessor is the main controller that runs VxWorks RTOS and controls both IO module and Wireless GSM/GPRS modules

TECHNICAL SPECIFICATIONS

PROCESSOR

- ARM Cortex-A8 Application Processor
- 1 GHz Processor speed

MEMORY

- 1 GB DDR3 SDRAM Memory

CONNECTIVITY

- Dual USB host connector for IO module and Modem Connectivity
- Ethernet (10/100) connector
- One console UART
- 7-pin SATA data connector

Wireless GSM/GPRS INTERFACE

- Quad-Band GSM/GPRS
 - ✓ 850/ 900/ 1800/ 1900 MHz
- Microprocessor Inter face:
 - ✓ RS232
- Configurable baud rate
- Inbuilt TCP/IP stack.
- SIM Card holder

IO MODULE

- Digital Inputs, Output and Analog Input
- 3 LED as Digital Output
- Push Button as Digital Input
- Switch as Digital Input
- Gas/Smoke Sensor as Analog Input
- Light Sensor as analog Input
- Temperature Sensor as analog Input

SOFTWARE FEATURES

RTOS SUPPORT

- VxWorks 6.9.3 RTOS support

EDUCATION PACKAGE

- VxWorks 6.9.3 source code lab examples for
 - ✓ Multi-Tasking
 - ✓ Priority Scheduling
 - ✓ Round Robin Scheduling
 - ✓ Message Queues
 - ✓ Semaphores
 - ✓ IO Module Interrupt for Digital Inputs
 - ✓ Digital Output/LED on/off
 - ✓ Analog Sensor Inputs processing
 - Gas Sensor
 - Temperature Sensor
 - Light Sensor
 - ✓ Wireless communication
 - Send SMS
 - Receive SMS
 - TCP connection over GPRS
 - UDP connection over GPRS

Actual product may vary from picture in Data Sheet. All features and specifications subject to change without notice.

ARM is a registered trademark of ARM Limited. ARM Cortex-A8 is a trademark of ARM Limited. VxWorks is a registered trademark of Wind River Systems, Inc. All other product or service names are the property of their respective owners. Please contact info@coreembedded.com for any enquiry