EZURiO
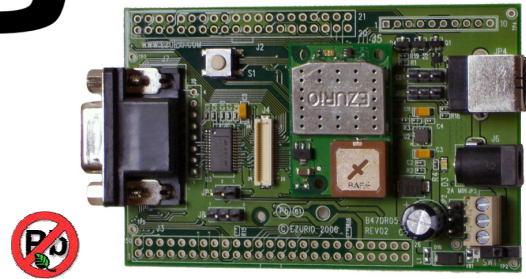
DEVELOPMENT KIT

The EZURiO Development Kit is designed to support the rapid development of hardware, applications and software for the EZURiO range of BISM II Bluetooth Intelligent Serial Modules and WISM Wireless LAN modules. The EZURiO development kit is available in five options to cover the widest range of wireless technologies, including hardware support for development of applications for the Siemens MC55 GSM GPRS modules.

Each option includes all the cables, software and documentation required to get your wireless developments quickly and rapidly underway.

Key Features
- Development environment supports the rapid development of application for the:
  - EZURiO Bluetooth Intelligent Serial Module BISM II
  - EZURiO Wireless LAN module WISM 802.11 SLIP
  - EZURiO Wireless LAN Module WISM 802.11 TCP/IP
  - Siemens MC55 GSM GPRS module
- 40 and 50 way Hirose sockets
- Plated through connections to access every pin of either module
- Choice of power options
  - Powered from a standard USB connection – cable supplied
  - Power from pin 9 of the RS232 serial connection – cable supplied
  - Optional access for an external 5v power supply through either:
    - 2.1 mm power socket
    - Screw terminals[1]
- Built in RS232 Level shifter
- EZURiO terminal software
- Jumper link for current measurements
- Access to all 40 and 50 way module pins via through plated header holes
- Jumper for low power RS232 level shifter mode
- Dedicated PCM port for quick audio application development (Bluetooth only)
- On board power regulation
- Lead free – RoHS compliant

The EZURiO development kit is a complete environment for quick and easy development and includes all the hardware, software, cables and instructions required to complete any project.

| PART NUMBER OPTION	BISM2	WISM SLIP	WISM TCP/IP	USB2
BISDK02BI-00				
BISDK02BI-02	☑			☑
WISDK01BI-01		☑		
WISDK01BI-02			☑	
WISDK01BI-03				
BISDK02BI-03	☑		☑	☑

For further information please visit our website at www.ezurio.com
Alternatively contact: sales@ezurio.com
Bluetooth is a trademark owned by Bluetooth SIG, Inc., USA and licensed to EZURIO Ltd.

Features

Features
Supports Bluetooth, Wireless LAN and GSM GPRS development
Built in RS232 level shifter
Selectable power source – RS232 pin or USB
Selectable low power RS232 level shifter
Support for an external 5v power source
Supply break to module for current measurements
Access to all module pins
Dedicated PCM connection
EZURiO terminal application
Lead free RoHS compliant
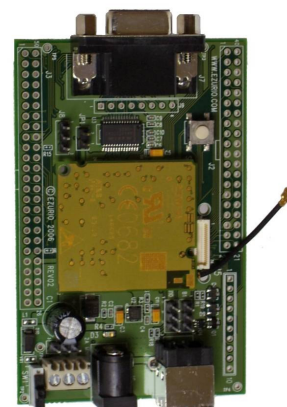
Key benefits

Extensive technical support	Terminal application for simple interfacing with the modules	Everything required to start development is included in the kit	Robust simple access to all key components aiding development time
Built in RS232 interface and optional USB interfacing	Self contained development environment	Supports Siemens MC55 GSM GPRS modules[1]	Fastest time to market

Development Kit Contents

All kits contain the following items	
Development Board	The mother board is used to mount your chosen wireless module, providing the RS232 interface and access to all the module interface pins.
USB cable	USB cable used to provide power for the dev kit via the onboard connector.
Serial cable	RS232 interface cable to provide the communication between your host pc and your choice of wireless module. The serial cable can also be used as an option to power the motherboard and module from pin 9.
Bluetooth USB adapter	Versions of the Development Kit which include a Bluetooth module include a FREE USB Bluetooth adaptor and Windows protocols stack.
Three Mounting Spacers	Mounting spacers for securing your choice of Bluetooth or Wireless LAN module to the motherboard
EZURiO terminal application	PC based terminal emulation software, specifically designed to help the development and diagnostics of applications on the EZURiO range of modules
Documentation	A development kit user guide, board design circuit diagrams and a quick start guide

The details contained within the document are subject to change; please download the product specification available from www.ezurio.com for the most up to date specification

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[1] When using the Siemens GSM GPRS module you must use an external power source capable of supply 2A current.