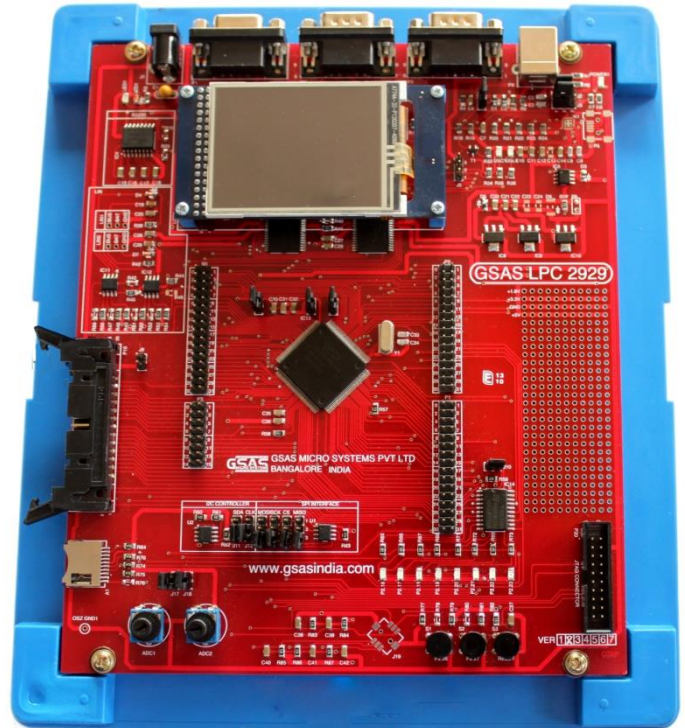


GSAS Micro Systems Pvt. Ltd. (GSAS) Manufacturers, Distributors of Embedded Hardware and Software offers Testing and Measuring Instruments, Microprocessor/Microcontroller Trainers kits, Interface modules, ARM based EVMs, Device Programmers, Logic Analyzers, Protocol Analyzers, Testing and Measuring systems / equipment's, EDA Tools and FPGA development Trainers, PC add-ons, Printers and printer support products, Custom Designed products etc.,

GSAS works and strives to deliver outstanding performance through its best in class of products with infallible support to its customers and to ensure customer gratification.

GSAS LPC 2929 is an evaluation board for the NXP LPC 29xx microcontroller family. **GSAS LPC 2929** allows the user to evaluate the capabilities of the NXP LPC 29xx and create real working environment with KEIL development tools. The LPC 2929 is supplied with the NXP LPC 2929 the superset of several other device variants of the NXP LPC 29xx controller.



GSAS LPC 2929 is powered by USB port. A serial connection is provided for In-System-Programming and it provides Serial (RS-232), CAN and USB interfaces as well as 8 LEDs, analog input (via potentiometer) and three switches. On-board JTAG connector is provided for connecting JTAG based debuggers like KEIL ULINK, SEGGER J-LINK, etc.,

On board power supply connector and 26 pin FRC connector are available for interfacing the GSAS LPC 2929 board to some of the GSAS Interface Modules such as Seven Segment Display, Elevator, Traffic Lights, Dual DAC, Txdr ADC etc., enables the user to develop and debug code for the GSAS interface modules.

MAIN FEATURES

- GSAS LPC 2929 is powered by PC's USB port.
- GSAS LPC 2929 communicates with host PC through its on-board serial ports – Rs 232C/USB.
- On-chip 768K bytes Flash, 56kBytes RAM and 16k Bytes EEPROMs are available to user.
- One No. of on chip UART port COM0 is terminated on 9 pin D type (Female) connector P1.
- Provision for CAN interface (CAN0 and CAN1 are terminated on two 9 Pin D type (male) connectors P2 and P3.
- USB interface uses the standard USB connector type-B for the full speed USB 2.0 peripheral of LPC 2929 device.
- SD card connector that supports a wide range of memory cards.
- Provision for two LIN interfaces.
- The status of the port lines P2.16 to P2.23 can be monitored through 8 on board LED's.
- Provision for USB-OTG connector is available for the full speed USB 2.0.(Type-B)
- Color QVGA TFT LCD for the user interface.
- On board RESET switch and S1(P2.26), S2(P2.27) switches for INT.
- Provision for 5 position Joystick .
- Two on-chip analog voltage regulators to feed analog input to ADC.
- The prototyping area along with +5V, +3.3V, +1.8V and GND points.
- Flexible configuration using jumpers.
- On-chip I2C and SPI interfaces are available to the user.

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SPECIFICATIONS

MCU	:NXP LPC 2929
MCU clock	:125 Mhz
On-chip RAM	:56KB
On-chip Flash	:768KB
Serial Ports	:1(On-chip)
CAN Ports	:2(On-chip)
USB Interface	:1(On-chip)
PCB Size	:170 X 202 mm
JTAG Interface	:20 Pin standard IDC connector
Power connector	:Standard USB Type -B connector

SCOPE OF SUPPLY

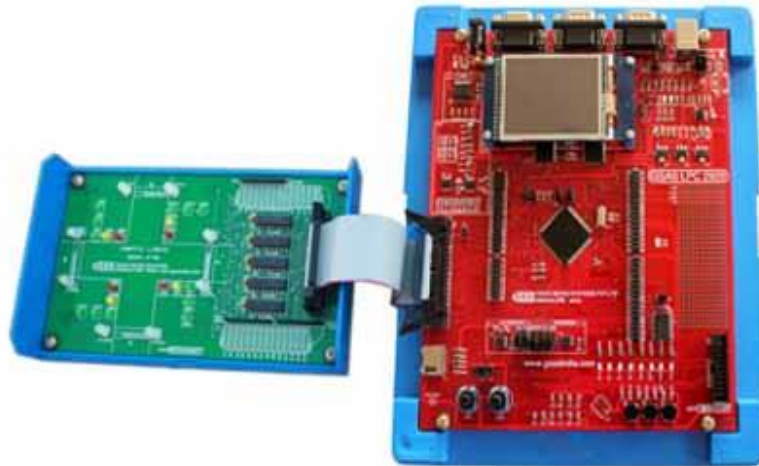
1. LPC 2929 Evaluation board
2. USB Cable
3. Driver software CD
4. User manual

ACCESSORIES(OPTIONAL)

1. Debugger
2. GSAS PS M2 5V@3A;
±12V @250mA;+30V @100mA
(Required for some of the interface modules)
3. RS 232 C Cable

HOST PC REQUIREMENT

1. Standard Pentium PC with USB port & CD
2. Windows 2000/XP/Vista OS.
3. 300MB of Hard disk space.
4. 512MB of RAM.



NOTE: (Specifications are subject to change without prior notice)

OUR PRODUCT RANGE: Altium EDA Tools, FPGA Trainers, Zero plus logic analyzers, Digital Portable Microscope / USB Microscope, Testing & Measuring Equipments, Microprocessor Trainers for 8085, 8086/88, Microcontroller Trainers for 8031/51,80C196 KB/KC,ARM,PIC Trainer and Interface Modules, DSP Trainers, Power PCs; In-Circuit Emulators; Microcomputer Development Systems; Universal Device Programmers; UV Erasers; PC compatible systems and Add-on Cards, Logic Analyzers, AD/DA cards, DIO cards, etc.; Micro printers; Printer Support Products and Software Development Tools; etc.

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