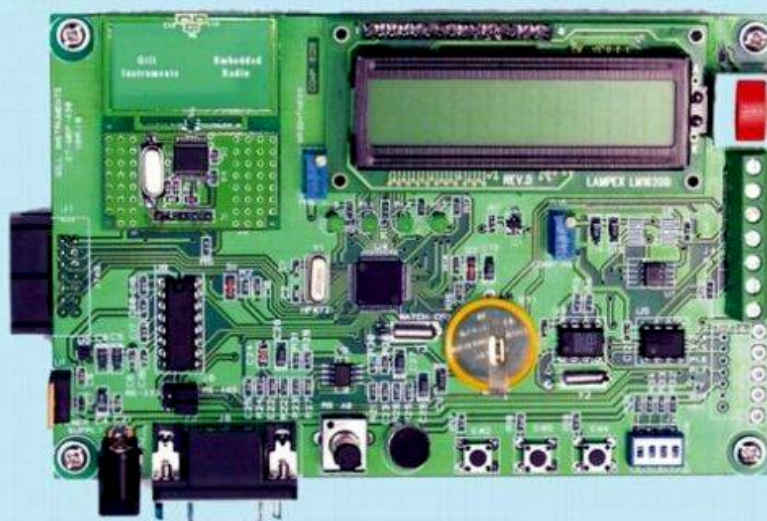




ET-MSP430 Evaluation Tool

ET-MSP430 is highly adaptable embedded system evaluation kit based on TI's MSP430 MCU from Gill Instruments, ideal for Industrial R&D and Institutional labs. It is a single target board where one can get exposure to the whole-embedded world and save months of time on Prototyping and sourcing. This tool is bundled with 26 reference source codes for different applications.

ET-MSP430



Applications

- Bio-medical and industrial Instrumentation
- Wireless Ad-hoc Smart sensor instrumentation
- Digital Metering (Electricity/Gas/Flow)
- Wireless Fire/Security Text Alarm System.
- Acoustic interface (Glass break detector)
- DTMF generation and recognition (Auto Dialer)
- RTC for time keeping (Access Control / Industrial Timer)
- Stepper Motor Control
- Programmable Counters/Timers

MSP430 on chip features:

- 16 Bit RISC core with five power saving modes
- Hardware multiplier
- In application programmable flash
- 12 Bit ADC (Sampling Rate more than 200 Ksps)
- On chip temperature sensor.
- Dual USART / I2C / SPI
- Dual 16 Bit Timers with Multiple Capture / Compare
- Multiple PWM output Channels
- Programmable comparator with internal and external ref voltage
- JTAG Interface for Real Time Emulation and programming
- Digital controlled Oscillator, Watch Crystal (32 KHz), High frequency Osc (8 Mhz)

ET-MSP430 on board features

- Acoustic interface using Wave Digital Filter
- Omnidirectional microphone with amplifier
- On board Wireless Communication System (ISM BAND)
- RS-232 & RS-485 interface with MODbus Protocols
- Real time clock with PCB mounted Battery
- 16 Bit ADC and 12 Bit DAC
- 16x2 LCD Display with back light
- 4 LED's for user applications
- 3 Switches and 1 potentiometer for user Interface
- 4 Way DIP Switch for Hardware Addressing

ET-MSP430 is the ideal platform for development of smart instrumentation in the field of Automotive, Avonics, Industrial & Building Automation.

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MSP430