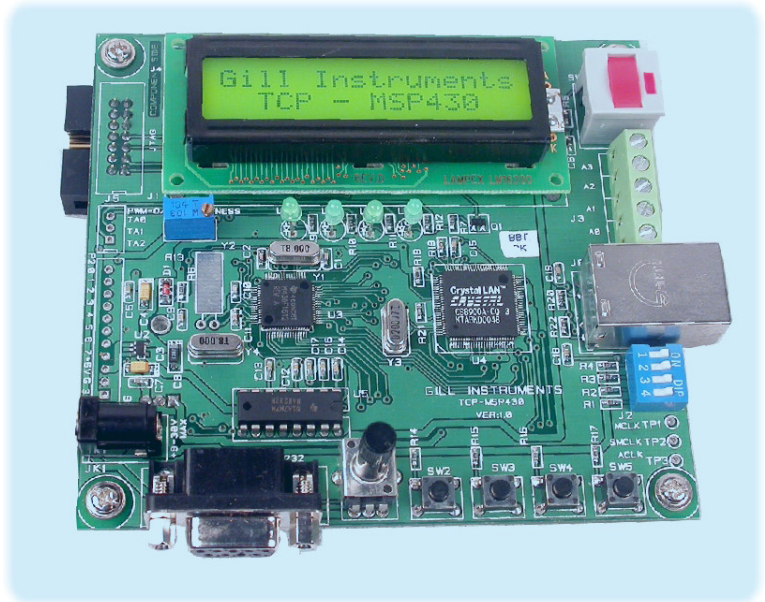




TCP-MSP430 Development Kit

Features

- Complete set of development tools to write applications for the TCP-MSP430 Serial to Ethernet.
- Includes TCP/IP Stack, Web Server, IAR Embedded Workbench Evaluation software, TCP-MSP430 Development board.
- Create dynamic web pages, and create TCP, UDP and Telnet applications.
- Large number of examples detailing various network and hardware functions.
- Use the Module as a high performance single board computing platform, or as a low cost network Development Tool.
- 16 bit RISC Processor from Texas Instruments interfaced with CS8900A 10Base Ethernet, 4 A/D inputs, 16 x 2 LCD Display, RS232 Interface, on board variable pot, 4 Dip switches, 4 Push Buttons and 4 LED's for user interface.



Customize the TCP-MSP430 to Suit Any Application

The TCP-MSP430 development kits enable you to quickly and easily create custom applications. Gill Instruments has a good reputation for development platforms to facilitate rapid product development, and these kits provide a complete solution for hardware, software, development and deployment tools. The kit includes the Module hardware platform, TCP/IP Stack, Web Server, IAR Embedded Workbench Evaluation Software; LabVIEW 7.0 Evaluation graphical debugger, and much more.

Serial to Ethernet

TCP-MSP430 can be configured as a standard Serial to Ethernet converter, no programming or development is required. TCP-MSP430 is pre-programmed to convert RS232, RS485 data to Ethernet, enabling communication with serial devices over a network or internet. Special Windows based software is provided to configure Serial and Network Properties.

Key Benefits

- Gill Instruments hardware and software is fully tested and ready for your development.
- No Porting! The integration effort has already been done and all components work together perfectly.
- Embedded systems using TCP-MSP430 module can be controlled and monitored (as well as programmed and debugged as per user requirement) across any network or the internet.

Kit Contents

- TCP-MSP430 Development board which provides convenient DB-9 connectors, RS-232, LCD display, Dip switches, discrete LED's, easy access connectors, Power Switch and a switching power supply.
- CD-ROM containing source code, evaluation version development tools, manuals and documentation.
- Cross-wired and straight-through twisted pair network cables (Optional)
- Serial cable
- 12 V power supply

Processor

- MSP430 Modern Orthogonal 16-bit RISC CPU with 12-bit on chip ADC from Texas Instruments.
- 10K Ram 48K Flash.

Network Interface

- CS8900A 10Base Ethernet.
- 10/100BaseT with RJ-45 connector with built in magnetic.

Network Services

- Web Server
- Hyper Terminal
- LabVIEW Interface
- Telnet
- Ping

Network Protocols

- ARP
- TCP
- UDP
- ICMP
- HTTP
- SMTP

Utilities

- Single build command to compile, link, process HTML code, network download to flash, program flash, and reboot target board in just seconds.
- Automatic compile and processing of dynamic HTML
- Network device configuration through Telnet or Hyper Terminal.

Web Server

- Supports Dynamic HTML that monitors the temperature, the variable voltage (POT), DIP Switch Status, A/D inputs, Discrete LED's and Push Buttons.

Debug Environment

- Complete I/O system supports TCP, Hyper Terminal, and Serial port. I/O includes read, write, and send text file functionality
- User Parameter Flash storage routines
- Embedded Monitor supports serial and network code updates.

Embedded Emulation with MSP430

- Development is in system and subject to exact same characteristics of the final application.
- Non-obtrusive in portable and high-pin count situations.
- Program can be downloaded to the Flash and debugged through JTAG.

Gill Instruments Pvt. Ltd.

**Plot 110-O/1, Phase-I, Electronic City,
Bangalore - 560100, INDIA.**

Ph: 91-80-5110-3173 / 74

Web: <http://www.gill-instruments.com>

E-Mail: contact_gill@rediffmail.com