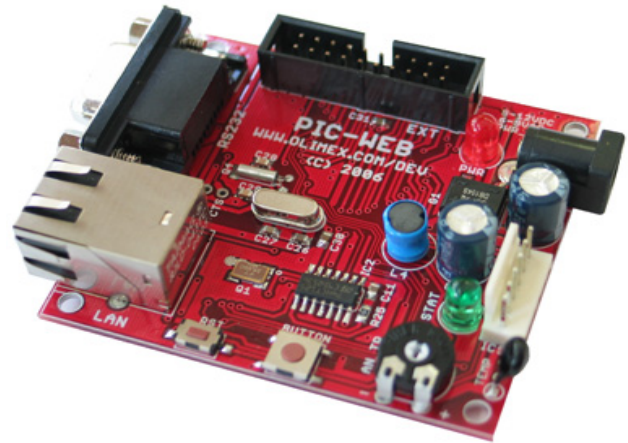# Olimex - PIC-WEB - Ethernet - Evaluation Kit

Product Overview:

PIC-WEB is compact board with 65x60 mm size which is supported by Microchip's open source TCP-IP stack AN833. The board is designed with PIC18F452 microcontroller and ENC28J60 Ethernet controller and supports: SLIP, ARP, IP, ICMP, TCP, UDP, HTTP, DHCP, and FTP. The Microchip stack is written on modular and flexible basis and you can enable or disable modules. The stack also supports dynamic web pages which give you the possibility to control all PIC resources remotely via FTP, HTTP, UDP, TCP etc. With this board you can implement web and ftp server, send e-mails and almost everything what a big server can do. The on board 1Mbit serial flash is available for data storage

Key Features:

The PIC-WEB board has the following features:

- USB 2.0 type B connector allows board to be interfaced to PC host.
- RS232 connector
- SD-MMC connector
- Audio In, Audio Out connectors
- Status LEDs
- Trimmer potentiometer
- Four buttons
- PIC18F4550-I/P on DIL40 socket
- Quartz crystal 20Mhz
- Reset button
- Power plug-in jack with diode bridge can be powered with AC or DC power supply
- 5V voltage regulator

Ordering Information:

Products:

Part Number	Manufacturer	Farnell P/N	Newark P/N
PIC-WEB	Olimex	1701532	25R4931

Associated Products:

Part Number	Manufacturer	Description	Farnell P/N	Newark P/N
PIC18F452-I/PT	Microchip	8-Bit Microcontroller IC	9762248	81C8383

Similar Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
PIC-MINI-WEB	Olimex	Web Server TCP-IP Development Board PIC Microcontroller	PIC18F25J10	1701533	25R4924

Document List:

Datasheets:

Part Number	Description	Size
PIC18F45J10	PIC18F45J10 Family Data Sheet	5.53MB

Application Notes:

File Name	Size
Understanding PIC WEB Boards and How to Use Microchip's TCP-IP Stack	497.86KB
MiWi Wireless Networking Protocol Stack	634.46KB
Emulating Data EEPROM for PIC18 and PIC24 MCUs and dsPIC DSCs	368KB
Microchip MiWi P2P Wireless Protocol	370.95KB
Class B Safety Software Library for PIC MCUs and dsPIC DSCs	398KB

Hardware & Software:

File Name	Size
PIC-WEB Schematic	31.1KB
Microchip TCP-IP Stack 5.00 patch modified for PIC-WEB REV.B (will not work without modification on other versions of the stack)	528KB