

PIC-WEB-BOX



WEB SERVER TCP-IP DEVELOPMENT BOARD PIC MICROCONTROLLERS WITH UEXT CONNECTOR

PIC-WEB-BOX is a board that adds additional features over the design of the popular OLIMEX PIC-WEB board. PIC-WEB-BOX adds a protective plastic cover and a microSD card connector. The included microSD card provides enough memory space for almost any web content! The board is developed with a custom bootloader in mind. The bootloader would allow programming via a web interface. After the bootloader project is finished it would be implemented in the production routine of PIC-WEB-BOX and it would be published in the software section of this page. Until then a PIC compatible programmer/debugger would be required to be able to upload programs to the board.

FEATURES

- PIC18F67J60 microcontroller
- Convenient plastic box that provides protection and aesthetic look
- MicroSD card connector and 2GB microSD card
- Ethernet connector and functionality
- Mini ICSP/ICD connector for programming with PIC-compatible tool (like PIC-KIT3)
- Reset button
- 2 user-programmable buttons
- User programmable LED

Power LED
Thermistor for temperature monitoring
RS232 driver and DB9 female connector
UEXT connector
Complete web server and TCP-IP stack support as per
Microchip's open source TCP-IP stack
Custom bootloader that allows programming the board via
Ethernet (not yet available, a work-in-progress)
Power plug-in jack for 9 to 30 VDC power supply
2 extension headers for easier access of microcontroller
pins
Outer dimensions of the board 65x65 mm (2.55"x2.55")

HARDWARE

PIC-WEB-BOX schematic



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