

Embedded Webserver 1.5

Embedded Services on the Internet

The sevenstax Web-server enables embedded systems to be accessed from any system that supports a common web browser. The server supports the HTTP GET- and POST methods and is capable to create HTML pages dynamically by using special HTML tags. Two typical examples for the use of the web server are the configuration of embedded systems via the Internet and the representation of measures values in a web browser.

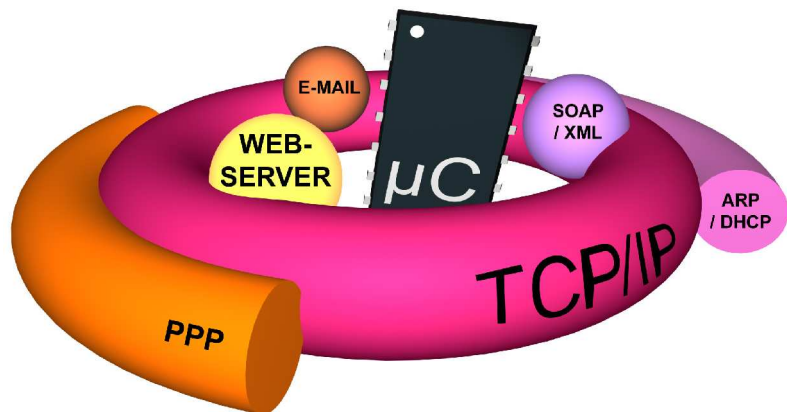
The web server has been designed to realize minimal processor and memory requirements. Nevertheless the restrictions resulting from this requirements do not affect the functionality of the server itself, e.g. the request of HTML formatted pages or HTML forms.

- standard C-runtime libs not needed (like `stdio.*`, `string.*`, `xtoa.*...`)
- portability - ANSI C

buffers (less memory may decrease the data throughput)

Characteristics:

- **small memory footprint**
- for micro-controllers from 8...32 bit
- asynchronous performance without OS multithreading capability
- all resources (HTML pages etc.) may be stored in the ROM / FLASH-memory
- independent of an operating system - easy adaptation to existing RTOS
- no file system required
- to save memory, no socket interface is required (sockets optionally usable)
- tested with the most common web browsers (Mozilla 1.x, Netscape 4.7, MSIE 5.x, MSIE 6, StarOffice 5, Opera 5.x, Opera 6.x)



Specials:

- capable to create pages dynamically (HTML/XML-forms, HTML/XML-pages)
- supports Basic HTTP Authentication
- may use own send buffer (or the TCP's buffers if desired)

32-Bit timer/counter (software) with a resolution of 1 ms

What you get:

- well documented source code
- detailed API-documentation and sample code
- configuration manual
- porting guide
- documented demo/sample projects (platform dependent)

Memory & System Requirements:

ROM: **4,5 kbyte code**
 RAM: **360 bytes** + about **1,5 kbyte** typically used for the command and transmit

sevenstax GmbH

Hamburger Allee 43
 30161 Hannover
 Germany
 phone: +49 511 473 86 04
 fax: +49 721 151 505 622
 email: info@sevenstax.com
www.sevenstax.com