



Smart Software Solutions
for Embedded Success

Web Server Pro/Advanced

Embedded Web Server

Features

Web Server Basic

- Remote web browsing using HTTP protocol
- Device monitoring
- Initiate events from callback functions using tags

Web Server Pro

- Web Security
- Authentication
- Authorization
- Persistent Event Handler
- Multiple device control in real time
- API for both C and C++ code

Web Server Pro with Optional Plug-ins

- Encryption using integrated SSL stack

Applications

- Temperature monitoring and controlling
- Portable devices connecting to a central server
- Data collection devices
- Information kiosks
- Point-of-sale terminals
- Voice over IP Phones
- Handheld diagnostic tools
- On-screen display menus

EBSnet's Web Server Pro is a full featured web server that provides functionality to control embedded devices and supports advanced server side scripting. It is designed as an object oriented library that provides an API for both C and C++. The advanced persistent and asynchronous event handler allows the controlling and monitoring of time critical embedded devices in real time. Data transfers between clients and the server can be secure using the authentication, authorization, and SSL features.

FUNCTIONALITY HIGHLIGHTS:

With Web Server Pro, you can develop and test your initial application on a Linux or Windows development machine. When your project reaches its completion it can be easily ported to the target embedded device using the simple to use porting layer.

Extreme Portability

Web Server Pro is fully integrated with EBSnet's suite of products. For example, Web Server Pro provides file access through its independent virtual file system and makes it possible to mount AES encrypted ZIP files as a read-only file system. However, a full featured file system can be easily integrated for applications that require one.

Optional Plug-ins

Web Server Pro is based on a plug-in architecture and supports a wealth of optional plug-ins.

- **SSL:** The Secure Socket Layer stack, which is specifically designed for Web server Pro, can use as little as 25K ROM in CPUs that support hardware encryption
- **WebDav:** A Secure Network File System Server
- **Web Services:** Supports common services such as SML-RPC and JSON-RPC
- **EventHandler:** Extends HTTP and provides secure bidirectional asynchronous communication
- **LSP:** Lua Server Pages gives script developers the same benefits as the PHP framework, but in a much smaller package
- **Bindows:** The professional GUI development platform for AJAX and EventHandler applications
- **WNMP:** Web Network Management Protocol uses a browser to manage your SNMP MIB tree

Requirements

Any 32 bit, 30+ Mhz processor with 120Kb ROM and 20Kb RAM available.

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