H&D Wireless web server platform for Wi-Fi supported on Atmel AVR32 EVK1100,1104,1105

APPLICATIONS

Home Automation

The Wi-Fi solution from H&D Wireless AB is optimal for developers that want to enter the home automation market such as AMR, surveillance, access control or general home display devices

Industry Sensor Networks

Wi-Fi in combination with Microcontroller platforms (MCU) can easily be installed and used for Industry sensors or remote control thanks to the pre-integration of the EVK and the availability of Wi-Fi infrastructure

Performance of Wi-Fi

The H&D Wireless AB Wi-Fi solution is provided with HDG104 WLAN802.11b/g System in Package (SiP). The solutions is market leader is terms of solution size, power consumption in all modes, transmit/receive range, data transfer speed and cost.

TURNKEY SOLUTIONS

The reference designs provided are turnkey solutions that will work first time and can be modified and used for customers own products.

H&D Wireless AB, official Atmel Wi-Fi partner

Telematics- "Things with IP-address"

Energy Control — Fitness & Healthcare — Industrial Control — Retail — Consumer Electronics — Location & Tracking

Above: Web server access over Atmel AVR32 EVK1104. Wi-Fi connection is provided by H&D Wireless AB. GUI uses the display and touch keys. Picture illustrating iPhone web serve access.

The web server solution enables OEM/ODM:s to design a variety of Telematic devices with low design effort and cost for the quickest possible time to market!

Addressed by H&D Wireless Wi-Fi web server solution

Key Features of the web server solution includes:

- **Probably the smallest Wi-Fi + MCU platform implementation in the world**
- **Lowest power consumption solution in the market for embedded applications.**
- **Fully integrated into the Atmel AVR 32 Software Framework**
- **Source code available in the Atmel AVR32 Software Framework**
- **SPI /SDIO support**
- **Wireless API**
- **Security, WPA, WPA2, WEP**
- **The web server is available as an example application for the AVR32 EVK1100, EVK1104 EVK1105 evaluation kits.**

There is a growing need of Wi-Fi enabled MCU:s that provide easy access to IP networks and Internet, Most of "things" to be connected to Internet use Microcontrollers. The H&D Wi-Fi solution supported on Atmel MCU platforms is a perfect match and facilitates new Applications with low design costs and quickest TTM possible for Customers!

H&D Wi-Fi combination with Atmel MCU platforms is considered environmental and "green" with fast integration, cable free installation and possibility of activating energy saving functions.

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