H&D Wireless Wi-Fi IP-Audio platform supported on Atmel AVR32 EVK1105

Media Applications

The H&D Wireless AB Wi-Fi solution is supported on Atmel AVR (MCU) platforms for quick start for developers that want to enter the Digital media market.

Wi-Fi makes it Wireless

In all media applications the problem of how to access and change the media is easily solved with Wi-Fi. Due to the high speed and security functions of 802.11, media such as mp3, IP-radio or video are transferred fast and secure.

Performance of Wi-Fi

The Wi-Fi solution provided with HDG104 WLAN802.11b/g 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.

Photo: Atmel AVR32 EVK1105 is capable to handle multimedia playback and streaming using Bonjour™ service discovery over the Wi-Fi connection provided by H&D Wireless AB.

The platform solution enables OEM/ODM:s to design an variety of Multimedia devices with low design effort and cost for quickest time to market possible!

Key Features of the IP Audio platform solution includes:

- **Probably the smallest Wi-Fi + MCU platform implementation in the world, with IP Audio streaming on a 512KB flash supported on AVR32**

- **Lowest power consumption solution in the market for embedded applications.**

- **Full implementation of Bonjour™ Apple zero configuration service and discovery protocol supported on AVR32.**

- **Decoding mp3 files, 44khz 16bit stereo 320kbps**

- **HTTP WebDav support, future upgrade to DAAP and DACP possible.**

There is a growing need of Wi-Fi enabled MCU:s that provide easy access to 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 facilitate new Applications with low design costs and quick TTM for Customers!

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

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