

Celero Launches Video-Grade 3x3 PCIe Wi-Fi Chip

Celero Communications, a provider of high-performance Wi-Fi chips and software for HD multimedia and home entertainment networking applications, today unveiled the latest in its portfolio of offerings – the CLR260. A single PCIe WLAN chip powered by Celeros signature video-grade OptimizAIR and digital beam forming technology, the CLR260 provides manufacturers with a powerful, highly integrated, low-cost access point solution for wireless home gateway and set-top box applications.

The CLR260 PCIe chip is a significant addition to Celeros 802.11n portfolio, which includes the CL1830 SoC and CLR250 USB/Wi-Fi chips. With this addition, Celero now offers the most comprehensive 3x3 video-grade Wi-Fi portfolio that is best suited to address service providers cost-conscious architectures while meeting the rigorous requirements for concurrent dual band and HD video streaming in the home.

The CLR260 leverages host CPU processing and memories to minimize bill of materials (BOM), addressing the key cost vs. performance challenge. The chip delivers superb performance ensuring reliable, feature-rich wireless connectivity at high throughput from an extended distance to enable distribution of multiple HD video streams throughout the home.

"With the introduction of the CLR260, Celero now offers a full product suite optimized for robust wireless video streaming in the home," says Lior Weiss, VP of Marketing of Celero. "Our 802.11n video-grade product line has been adopted by over 20 ODMs and OEMs to enable a range of OEM Wi-Fi products. Service providers can now implement a video-grade Wi-Fi-enabled home cost effectively using Celero-enabled devices. These could include broadband gateways enabled with 3x3 CLR260 5GHz and CLR260 2.4GHz, video bridges enabled with a CL1830 3x3 SoC, and set-top box and laptops leveraging on USB dongles enabled by a CLR250 3x3 USB/Wi-Fi chip, among others."

Features and Benefits

The CLR260 maximizes range, throughput, and signal consistency – attributable to the fact that it is powered by Celeros field proven OptimizAIR™ technology and digital beam forming signal processing. Low packet drop, jitter, and latency, and overall QoS for perfect, lossless video streaming is achieved with channel-aware scheduling and rate selection. The device also combines an 802.11n MAC, baseband and 3x3 radio on a single silicon with support for PCIe bus and architecture, lowering the BOM and consequently the deployment costs.

The CLR260 operates in both the 2.4GHz and the uncongested 5GHz frequency channels and works with legacy home networks as well as new, innovative 5GHz powered portable devices for a superior video experience.

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Visit Celero at International CES 2012 at the Hilton Hotel, Suite H530 to see a demonstration of the CLR260 and Celeros latest technology and enabled use cases.

For more information visit www.celero.com [1]

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