

Peraso Releases World's Highest Performance WiGig Radio for Consumer Electronics Applications

Market leading features include 14dBm output power, 4dB receiver noise figure, and consistent performance across all 4 WiGig channels

Contact:

John Tryhub
Peraso Technologies, Inc.
john@perasotech.com

TORONTO, ON, December 22nd, 2014 - Peraso Technologies Inc. today announced the immediate production availability of its 60 GHz WiGig RF IC for consumer electronics. The device is available in two BGA versions, including the PRS1125, and the PRS1025, which includes an integrated antenna.

The PRS1025/1125 products deliver unprecedented levels of silicon efficiency to the WiGig market. The silicon area is less than 5mm², and the packaged devices are 49mm² and 36mm² respectively. Key features of the product include;

- P1dB: 14dBm
- EIRP (integrated antenna version): 24dBm
- Receiver noise figure : 4dB
- Transmit EVM: -24dB (64QAM, single-carrier)
- Frequency band: 57GHz – 66GHz
- Support up to MCS12 of IEEE802.11ad specification
- High-speed 1.5 Gb/s OOK mode

“This product is the culmination of 5 years of development effort at Peraso” says Ron Glibbery, President and CEO of Peraso Technologies. “We are one of the few companies in the world actually shipping a production version of a WiGig radio. This is a major milestone for the company”.

The extremely high WiGig data rate of 4.6 Gb/s facilitates a host of applications not available through standard WiFi connectivity. With the rapid growth of 4k video, WiGig is an ideal technology for high resolution, low latency wireless screen mirroring. Using WiGig, large media files are transferred between devices in a matter of seconds, not only providing the consumer with next generation convenience, but done so wirelessly. Moreover, as Internet access quickly advances to gigabit data rates, WiGig wireless connectivity ensures that consumer electronics devices keep pace with the entire network. This is critical for cloud-based applications where the user experience must be identical to using locally stored applications.

The PRS1025/1125 targets a variety of consumer electronics devices, including mobile phones, laptops, tablets, monitors, TVs, WiFi access points. In particular, the Peraso RF IC coupled with the recently

announced Peraso PRS4000 WiGig baseband IC, is ideal for implementing a USB 3.0 dongle, a device which enables an entire ecosystem of legacy USB 3.0 enabled devices. Additionally, a compelling feature of the PRS1025/1125 is the support of OOK mode which allows customers to address a host of short range, low cost applications such as wireless connectors.

The PRS1025/PRS1125 are available immediately in production quantities. Devices are designed to operate over industrial temperature range (-40 to +85).

#####

About Peraso Technologies, Inc.

Peraso is a fabless semiconductor company headquartered in Toronto, Canada. The company is focussed on the development of 60 GHz chip sets and solutions compliant with the IEEE 802.11ad specification. 60 GHz has been adopted for interoperability certification by the WiFi Alliance under the WiGig® brand, and WiGig® has seen strong industry endorsement by tech giants such as Samsung, Qualcomm and Intel. For more information, visit www.perasotech.com.