



Press Release

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Cortina and Ralink Enabling Next Generation Multimedia Applications

Connecting the Digital Home through Highly-Integrated Cost-Effective Solutions

SUNNYVALE & CUPERTINO, Calif., September 29 — Cortina Systems, Inc (Cortina™) and Ralink Technology today announced a joint reference design that is powered by the industry leading high-performance CS3516 Network Processor from Cortina and the industry leading 802.11n WiFi solution RT2880 from Ralink. The reference design will be publically demonstrated at the upcoming CEATEC in Japan.

“Consumers are finding new uses for networking in the digital home, such as networked picture frames, internet radio and IP surveillance”, said Dr. Stewart Wu, Vice President and General Manager of Digital Home Business Unit, Cortina Systems, Inc. “OEMs are looking for integrated, high performance solutions. Working closely with Ralink, we are enabling system vendors quicker time to market for their network multimedia products with a comprehensive hardware and software reference design.”

“Continuing our innovation and development of wireless LAN chipset solutions, Ralink is thrilled to collaborate with Cortina to provide a reference design that addresses the high performance needs from the consumer and system manufactures,” said Rick Jeng, president of Ralink Technology.

The joint reference design enables 270 Mbps aggregate concurrent dual band throughput and up to 1 Gbps WAN-to-LAN routing wire-to-wire; and 200 Mbps wire-to-WiFi. The board also supports MPEG4, Motion JPEG, and MP3 decoding for applications such as network picture frame, internet radio, and NAS-based IP surveillance central stations. The reference board is based on the popular CS3516 Router Gateway NAS Reference Design Kit from Cortina and the RT2880 Reference Design Board from Ralink. The joint reference design includes an integrated Board Support Package that provides system designers a unified Linux kernel and application software suite.

RT2880

The RT2880 SOC combines Ralink's 2T3R MAC/BBP, a 266 MHz Mips4KEc CPU core, a Gigabit Ethernet MAC, and a PCI host/device, to enable a multitude of high-performance and cost-effective draft 802.11n applications. The RT2880 has two RF companion chips, the RT2820 for 2.4G-band operation and the RT2850 for dual band 2.4G or 5G operation. In addition to the traditional AP/router application, the chipset can be implemented as a WLAN "intelligent" NIC, drastically reducing the load on the host SOC, such as DSL/Cable or Multimedia Applications processors. WLAN iNIC can be used as a simple Ethernet device for easy porting and guaranteed draft 802.11n compliant WLAN performance without the need to upgrade to an expensive host SOC.

CS3516

The Cortina Systems® CS3516 Network Processor provides superior performance and functionality for Router Gateway, NAS, IP Set Top Box, VoIP, and other SME and SOHO applications. The device has a 32-bit ARM9 RISC Processor with up to 400 MIPS total performance. The device integrates a full-featured hardware crypto engine, two 10/100/1000 Ethernet MACs, dual USB 2.0 hosts or clients, dual IDE or SATA interfaces, a 66 MHz 32-bit PCI interface, and direct interfaces to color LCD and SLIC modules. The device also includes an intelligent and programmable power management unit for portable system applications.

About Cortina Systems

Through continuous innovations in advanced port processing and intelligent port connectivity, Cortina Systems, Inc is a leading supplier of intelligent communication solutions for the Core, Metro, Access, and Enterprise network market segments. Cortina delivers a wide suite of products that address customers' performance, density, and flexibility needs with state-of-the-art, high-speed, analog-digital integration technology. Cortina solutions enable faster time-to-market, longer time-in-market, and increased revenue opportunities. Working closely with customers to understand their system requirements and anticipate their needs, Cortina is creating the foundation for new generations of services. For more information, please visit www.cortina-systems.com

About Ralink Technology

Ralink Technology Corporation is a leading innovator and developer of wireless LAN chipset solutions. Ralink 802.11x chips are recognized for superior throughput, extended range, low-power consumption and consistent reliability demanded by Wi-Fi, mobile, and embedded applications. These feature-rich chipsets have a high level of chip

integration for client and AP solutions for CB, MiniPCI, PCI, PCIe, and USB interfaces, enabling customers to cost effectively build smaller and more sophisticated mobile wireless products. Ralink's patented MIMObility™ technology extends Wi-Fi applications from traditional PC networking to a range of digital multimedia and handheld devices including cell phones, PDAs, cameras, print servers, HDTV and video game players. Ralink Technology Corporation's headquarters are in Hsinchu, Taiwan, with an R&D center in Cupertino, California. For more information, visit Ralink at www.ralinktech.com or send email to info@ralinktech.com

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