



## Press Release

Ceragon and Symmetricom synchronization interoperability – 09 19 11

### **Ceragon and Symmetricom Successfully Conduct Synchronization Interoperability Tests for Next Generation Wireless Backhaul Networks**

#### ***Ceragon Joins Symmetricom's SyncWorld Ecosystem Program to Support Standards-Based Synchronization Technology***

Paramus, New Jersey, September, 9, 2011 - Ceragon Networks Ltd. (NASDAQ: [CRNT](#)), the premier wireless backhaul specialist today announced it joins the Symmetricom®, Inc. (NASDAQ: SYMM) SyncWorld™ Ecosystem Program for delivering tested solutions for mobile backhaul synchronization over packet microwave networks. Collaborating with Symmetricom, Ceragon successfully gains validation for its advanced Sync over Packet Optimized Transport solution, an innovative technology embedded in Ceragon's microwave backhaul platforms, which ensures Ultra Low Packet Delay Variation for Sync IEEE 1588.

Maintaining accurate timing and synchronization in mobile networks is critical for successful call "hand off" when mobile users are traveling between cell sites and to ensure overall voice quality and performance is maintained. As mobile operators migrate their backhaul networks to Ethernet to efficiently handle the vast amounts of growing data and video traffic, a reliable method of maintaining synchronization over packet network is required. Precision Time Protocol, standardized as IEEE 1588v2, has become the de facto standard for packet timing.

Ceragon and Symmetricom jointly completed extensive performance and interoperability tests to verify the performance of IEEE 1588 timing over various microwave backhaul network topologies under real-world deployment scenarios. This exercise included testing a multi-hop microwave backhaul network that supported Adaptive Coding and Modulation (ACM). The successful result validates the superiority of Ceragon's advanced [Sync over Packet Optimized Transport](#) technology for mobile operators that plan to deploy next-generation 4G/LTE networks.

"As networks migrate to Ethernet backhaul for LTE deployments, Symmetricom is committed to developing industry-leading carrier grade timing and synchronization solutions that ensure interoperability for a seamless transition to packet-based services," says Manish Gupta, vice president of marketing at Symmetricom. "We're excited to have Ceragon join the SyncWorld Ecosystem Program and look forward to further collaboration between the two organizations."

The SyncWorld™ Ecosystem Program supports precise timing and synchronization requirements for 4G/LTE deployments to ensure seamless integration for service provider networks. The Program represents all elements of the mobile value chain from embedded to network equipment manufacturers.

"Partnering with Symmetricom, allows us to bring more value to our global customer base, by validating Ceragon's advanced synchronization features over Symmetricom's market leading synchronization products," said Mr. Eirik Nesse, VP Product Strategy at Ceragon Networks.

### **About Ceragon's Sync Over Packet Optimized Transport**

Ceragon's advanced Sync over Packet Optimized Transport creates a symmetrical traffic channel that is dedicated to sync-over-packet control frames. The technology offers a fixed bandwidth channel operating independently of the bearer traffic payload channel. With fixed and symmetrical latency over all ACM points, the solution allows for ultra-low delay and delay-variation for revenue generating and time-sensitive services. Read more: [Implementing IEEE-1588 in Wireless Backhaul](#)

### **About Symmetricom, Inc.**

Symmetricom (NASDAQ:SYMM), a world leader in precise time solutions, sets the world's standard for time. The company generates, distributes and applies precise time for the communications, aerospace/defense, IT infrastructure and metrology industries. Symmetricom's customers, from communications service providers and network equipment manufacturers to governments and their suppliers worldwide, are able to build more reliable networks and systems by using the company's advanced timing technologies, atomic clocks, services and solutions. All products support today's precise timing standards, including GPS-based timing, IEEE 1588 (PTP), Network Time Protocol (NTP), Synchronous Ethernet and DOCSIS® timing. Symmetricom is based in

San Jose, Calif., with offices worldwide. For more information, visit:  
[www.symmetricom.com](http://www.symmetricom.com).

### **About Ceragon Networks Ltd.**

Ceragon Networks Ltd. (NASDAQ: CRNT) is the premier wireless backhaul specialist. Ceragon's high capacity wireless backhaul solutions enable cellular operators and other wireless service providers to deliver 2G/3G and LTE/4G voice and data services that enable smart-phone applications such as Internet browsing, music and video. With unmatched technology and cost innovation, Ceragon's advanced point-to-point microwave systems allow wireless service providers to evolve their networks from circuit-switched and hybrid concepts to all IP networks. Ceragon solutions are designed to support all wireless access technologies, delivering more capacity over longer distances under any given deployment scenario. Ceragon's solutions are deployed by more than 230 service providers of all sizes, and hundreds of private networks in more than 130 countries. Visit us at [www.ceragon.com](http://www.ceragon.com).

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