



Press Release

Comcores Deliver CPRI Switch Reference Design for Next-Generation LTE Advanced and 5G Networking Equipment

Copenhagen, Denmark, Nov 26, 2015 —Comcores ApS, a leading provider of IP cores for wireless networks today announced immediate availability of a common public radio interface (CPRI) v6.1 switch reference design running on a commercially available FPGA HW demonstrator.

Ideally suited for manufacturers of next-generation LTE Advanced radio base stations and 5G networking equipment, it combines a Comcores CPRI Switch IP solution and a compression algorithm with Xilinx's VC709 platform to offer a fast track testbed for demonstration of a 4x4 switch for high-bandwidth solution for C-RAN (cloud or centralized radio access interface) fronthaul network applications.

Now, designers have all the essential ingredients in a single integrated HW platform for bridging between virtually any radio access that uses optical or microwave transport, and a centralized baseband pool that uses CPRI for communication. Equipped with the basic building blocks for a CPRI switch – an I/Q cross-connect, an Ethernet switch and CPRI v6.1 controller IP – packaged as a complete reference design, customers can dramatically shorten design cycles, while cutting costs and mitigating the risks associated with designing “from scratch”.

“We are delivering an ideal platform for rapid and cost effective deployment of fronthaul technology,” said Thomas Noergaard, Founder of Comcores. “With today’s news, designers now have an efficient, no-compromise solution for jumpstarting LTE-Advanced and 5G wireless communications system designs to address stringent cost, performance and time-to-market requirements for next-generation C-RAN fronthaul applications.”

A key requirement for fulfilling the industry’s vision for the C-RAN architecture is the availability of a high throughput, flexible fronthaul connection between the new network architecture of centralized baseband controllers and remote standalone radio heads at cell sites at line rates of up to 12.2 Gbps enabled in the CPRI v6.1 specification.

Among the technical features of the new reference design from Comcores are:

- Up to 4x4 ports non-blocking, user-plane switch
- Switching at antenna carrier (AxC) level
- Dynamically supports 1:1 connectivity, broadcast or multicast operation
- Support for optional Ethernet switch for Control and Management
- Support for optional ORI compliant compression IP

About Comcores

Comcores is a market leader for state-of-the-art IP-cores for wireless communication. The company is a leading provider of modular blocks and components for connectivity and radio functionality in existing and next generation mobile infrastructure networks. Comcores offers leading IP cores solutions, expertise in research and development as well as custom design solutions.

For more information please visit www.comcores.com