



Press Release

Comcores provide Flexible Ethernet Switch IP Design Optimized for switching in C-RAN and Next-Generation LTE Advanced Networking Equipment

Copenhagen, Denmark, Feb 11, 2016 —Comcores ApS, a leading provider of IP cores for wireless networks today announced immediate availability of an ultra-compact Ethernet Switch IP with support for both 1G and 10G ports. The design includes features like 1588 bypass and VLAN functionality and is suited to deliver on your Ethernet switching requirements.

Being able to configure the Ethernet switch with four (4) 10G ports and up to forty (40) 1G ports it provides tremendous flexibility for manufacturers of Cloud RAN equipment, DAS equipment and next-generation LTE Advanced radio base stations that wants to distribute high speed data streams of 10G to several 1G data streams.

With this component Comcores offer a unique components that brings compactness while keeping flexibility at a maximum. The IP enables dramatically shortening of design cycles, while cutting costs and mitigating the risks associated with designing “from scratch”. To demonstrate the switching abilities a 10G to four 1G ports switch has successfully been established and tested on a Xilinx based VC709 evaluation platform.

“We’re pleased to release a central component to handle routing of C&M data in Cloud RAN switches,” said Thomas Noergaard, CEO of Comcores. “Our optimized Ethernet Switch core is a perfect match for any company seeking a solution for C-RAN switching. It delivers the exact performance needed – not more – not less – hereby enabling Ethernet switching on FPGA based CPRI IQ switches. Altogether, this puts a concrete solution in the hands of customers for making the C-RAN vision a reality for next-generation fronthaul design and deployment.”

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

- Up to 4 10G ports non-blocking switch
- Up to 40 1G ports non-blocking switching
- Support for advanced features like VLAN and 1588 by-pass
- Number of ports and rings within the switching fabric are configurable at compile time
- XGMII and GMII blocks included in the design
- Xilinx based VC709 demonstration platform available for test of functionality

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