



Press Release

Comcores announces immediate availability of an ETSI ORI 4.1.1 compliant CPRI IQ Compression Intellectual Property Core enabling enhanced throughput or lowering of front-haul cost in wireless networks

Comcores CPRI IQ Compression/de-compression IP is a state-of-the-art compression solution that is compliant with ETSI ORI 4.1.1. It enables doubling of throughput on existing connections or cutting the cost for connectivity between baseband and radio in half by compressing data by a factor 2:1.

Copenhagen, Denmark, Apr 17, 2015 – Comcores, a leading provider of IP cores for wireless infrastructure networks, today announced the immediate availability of a low-size and low-power CPRI IQ Compression IP solution targeting front-haul capacity reductions in wireless networks.

"We are extremely pleased to be one of the first companies to commercially launch an ORI 4.1.1 compliant IP-core for IQ Compression. The IQ Compression IP core is designed to deliver on the ever increasing demand for bandwidth and enables high-performance throughputs required by LTE-Advanced radio base stations with no or limited change in the front-haul. With the IQ compression IP-core, CPRI line rates can be cut in half to ease pressure on microwave backhaul or new sectors and services can be added to existing cell sites without increasing the number of fibers to the site," says Thomas Noergaard, CEO of Denmark-based Comcores.

Companies choosing to implement a Comcores CPRI IQ Compression core benefit from getting a solution designed by ultimate CPRI experts and is as such getting a highly interoperable product enabling fast track to market while lowering the overall development risks and cost.

An IQ Compression algorithm is a straightforward way to save cost in wireless front-haul. So far the market adoption has been limited by the lack of a standard. The release of ETSI ORI 4.1.1 opens up for the possibility that equipment from two different vendors that include compression can work seamlessly together.

The IQ compression core is highly generic and can handle compression of 2:1 to 4:1 dependent on your tolerated EVM degradation and the channel properties.

The Comcores Cross Connect IP core comes with the following key features:

- Compliance with ETSI ORI 4.1.1 standard
- Compression range of 2:1 to 4:1
- Supports uncompressed data rate up to 12.16512 Gbps
- Microsecond level latency
- Extremely low EVM degradation

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.