

IP Light Announces the First Product to Implement Enhanced CPRI-over-OTN Technology

Loop Telecom to incorporate CPRI-over-OTN in next generation of products

April 19, 2016 — Petach Tikva, Israel, & Hsinchu, Taiwan — IP Light Inc. announces availability of its first IP core product – the Orion IPL8001MX, implementing enhanced CPRI-over-OTN technology. Loop Telecom of Taiwan will include it as a critical component in its C-RAN MFH-oriented solutions.

The Orion IPL8001MX IP core, intended for C-RAN Mobile Front-haul (MFH) networks, combines up to six CPRI option 3 or three CPRI option 4 or 5 signals into a single OTU2r bearer. It is in full compliance with the recent ITU-T SG15 G Series Supplement 56 Section 8 recommendation for the transport of CPRI signals over OTN.

This recommendation, which is based on IP Light's innovation, enables operators to deploy C-RAN architectures and realize a major reduction in the size of the associated MFH optical infrastructure by a factor of up to 6X.

"Orion products represent a breakthrough in mobile front-haul technology," says Dr. Mawlin Yeh, President and CEO, Loop Telecom (Taiwan). "Orion delivers significant value by introducing an innovative technology optimized for the next generation of cellular networks while providing major CAPEX and OPEX savings for telecom operators."

G Suppl. 56 Sec. 8, based on expert input from IP Light, incorporates a novel method for mapping and multiplexing CPRI signals and transporting them by newly defined OTN bearers (OTU2r) while meeting the stringent requirements of CPRI signals [jitter, latency/RTT (Round Trip Time), delay accuracy, symmetry].

Loop Telecom plans to incorporate Orion's advanced technology in its next generation of C-RAN MFH-oriented products in order to maximize the potential of the new ITU-T standard.

About IP Light

IP Light is a fabless semiconductor vendor specializing in OTN technology. Its Apodis OTN processors deliver the world's most advanced performance in terms of capacity, flexibility, power dissipation and reduced footprint in their category. The Orion product family of IP cores is the first worldwide to implement the recent G Suppl. 56 Section 8 recommendations, meeting the specific requirements of MFH networks for the transport of CPRI signals.

About Loop Telecom

Loop Telecommunication Int'l, Inc. specializes in communication networking products/solutions, design, development, manufacturing, and network management. The combination of Networking Products and Network Management System provides end-customers' total turn-key solutions.

For further information, please visit IP Light at www.ilight.com or call Michael Halperin, IP Light VP of Sales and Marketing at +972-3-721-1810.