source PHOTONICS

The new brandname "Source Photonics" stands for the merged company of the two market leaders Fiberxon and LuminentOIC. Source Photonics is a provider of optical communication products used in telecommunication systems and data communication networks. Source Photonics designs, manufactures, and sells a broad portfolio of optical communication products, including passive optical network, or PON, subsystems, optical transceivers used in the enterprise, access, and metropolitan segments of the market, as well as other optical components, modules, and subsystems.

The global, vertically-integrated business model and expertise in optical design enables Source Photonics to rapidly deliver market-leading, high performance fiber optic components and subsystems. The R&D and engineering teams provide strong innovative capability with over 250 engineers and research scientists based in North America and Asia, who have core technical knowledge ranging from optoelectronic device, optical subassembly, and module design, to product and manufacturing process development expertise. Source Photonics has over 1500 employees, primarily in Taiwan and Mainland China, with corporate headquarters in California.

10G MSA Transponders

This series of transponders was designed to comply with the MSA standard for small form factor (SFF), 300 Pin housings. Supported datarates are 9.953 and 10.709Gbps including Forward Error Correction (FEC). The MUX section multiplexes 16 parallel 622Mb/s electrical channels into a 10Gb/s series data stream and sends it to the transmitter. And the DEMUX section demultiplexes the 10Gb/s electrical data stream into 16 parallel 622Mb/s electrical channels.
The transmitter and receiver reference clock rates are selectable for divide by 16 or 64

Features:

- Compliant with the 300 pin MSA in a compact size
- 1:16 MUX/DEMUX integrated
- Support multi-rate operation from 9.953Gb/s to 10.709Gbps
- reach 10 to 80KM
- DWDM available

Applications:

- Metro network SDH / SONET
- 10 Gigabit Ethernet
- Forward Error Correction (FEC)
- Optical Transport Network (OTN)