Titan Photonics introduces a complete DOCSIS 3.0 Head-end solution

Date 7/29/2011

FREMONT, Calif. -- FREMONT, Calif. -- Titan Photonics, a market leader in optical components and network subsystem, introduces High performance DOCSIS 3.0 head-end solution for its OTC transport system, including a High performance Return Path Receiver, 1550nm and 1310nm CATV transmitters. The Titan Photonics head-end solution is available now, and is composed for the following elements:

OTC Transport system The Titan OTC system is a 4RU rack mounted transport shelf that provides power and management functionality for up to 14 optical/RF service modules. One shelf is able to accommodate up to 9 bi-directional HFC links with both forward and return path modules.

OTC HFC Return Path Receiver The Titan TCRHFC HFC RPR receives the optical return path signal from an HFC node and converts it to a standard RF/electrical signal at the head-end office. It is a robust low-cost return path receiver designed for HFC /DOCSIS3 networks. Each low-cost module contains two independent return path receivers each supporting a wide spectral input (1,100nm to 1620nm), a -10 to 0dBm input power level, and a frequency response of 5 to 200MHz. Receivers also include a 15dB software controlled PAD on the RF output.

OTC 1310nm and 1550nm Forward Transmitter The Titan TCDT13 1310nm and TCDT15 1550nm transmitters adapt the DOCSIS3 and video signals from RF electrical to optical fiber. They both support 47 to 1GHz and are designed to insure that QAM and up to 80NTSC analog channels are transmitted with a minimum of noise and distortion for error free data and exceptional HD video programming.

About Titan Photonics

Founded in 2005, and headquartered in Fremont, California, Titan Photonics has obtained expertise in optical systems and technologies that are proving key to unlocking the potential of optical networks.

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