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## Titan Photonics introduces a complete RFoG network solution

**Date 8/1/2011**

FREMONT, Calif. -- Titan Photonics, a market leader in optical components and network subsystem, introduces a complete RFoG system solution, including an RFoG ONT, a high-sensitivity Return Path Receiver, EDFAs and a CATV transmitter. The Titan Photonics RFoG solution is available now, and is composed for the following elements:

**RFoG Node** Titan RFoG NanoNode™ provides the benefits of a FTTH passive optical network (PON) while maintaining the existing HFC return paths for MSOs. The NanoNode's SCTE compliant, high performance designs and optional +6dBm transmitter, make it a perfect ONU to deploy in 64split passive networks where HI-Def video and DOCSIS 3 Data services are to be provided.

**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 12 bi-directional RFoG links for both forward and return path components.

**OTC RFoG Return Receiver** The Titan TCRRFG RFoG RPR receives the optical return path signal from RFoG ONU and converts it to a standard RF/electrical signal at the head-end office. It's industry leading high sensitivity design with  $<0.75\text{pA}/\text{rtHz}$  allows a minimum received optical power of -27dBm with dynamic range of 11dB, simplifying the network deployment and supporting 64 split networks.

**OTC 1550nm Forward Transmitter** The Titan TCDT15 1550nm transmitter adapts the RFoG and video signals from RF electrical to optical fiber. This transmitter is supports 47 to 1GHz and is designed to insure that QAM and analog channels are transmitted with a minimum of noise and distortion for error free data and exceptional HD video programming.

**OTC EDFA Optical Amplifier** The Titan TCSEDF optical amplifiers boost the optical signal from the 1550nm transmitter allowing the video and data content to be transmitted through the RFoG network without the need for any electronics in the network. These robust amplifiers can be ordered with a total output power from +13 to +22dBm with 1 or 2 optical outputs.

The Titan RFoG system includes all electronics needed to deploy up to 12 RFoG links (up to 768 RFoG ONUs) in a single 19" 4RU OTC system. Combined with Titan's passive optical components, (WDMs, Splitters, cables, etc.) Titan is truly a 1-stop shop for RFoG Deployments.

### **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