

## Titan Photonics introduces a New RFoG Return Path Receiver and RFoG ONU

**Date: 7/22/2011**

FREMONT, Calif. -- Titan Photonics, a market leader in optical components and network subsystems, introduces the TCRRFG High Sensitivity RFoG Return Path Receiver module and the NanoNode RFoG ONU.

Titan TCRRFG RFoG Return Path Receiver, a new module for the Titan Optical Transport chassis (OTC), receives the optical return path signal from any standard RFoG ONU and converts it to an RF/electrical signal at the head-end office. Its industry leading high sensitivity design with  $<0.75\text{pA}/\sqrt{\text{Hz}}$  allows a minimum received optical power of -27dBm with dynamic range of 11 dB, simplifying deployment and allowing 64 split network designs. Each Titan RFoG RPR module contains two independent receivers that are independently controlled by the OTC system software including a software-controlled 30dB PAD on each RF output. As with all modules for the Titan OTC system, this RFoG return path receiver is hot swappable and SNMP managed, serving up to 28 optical links in one 19", 4RU OTC shelf.

Titan RFoG NanoNode provides the benefits of a FTTH passive optical network (PON) while maintaining the existing HFC return paths for MSOs. Unlike other RFoG ONTs, Titan NanoNode features industry leading burst-mode timing control system with an ON-OFF time independent of the RF signal power. This innovation, along with a High OMI and optional +6dBm optical transmitter allows RFoG networks to be deployed with up to 64 splits while retaining DOCSIS 3 capability.

Titan RFoG solutions deliver industry-leading, FTTH options for DOCSIS 3.0 service providers and are fully compatible with the SCTE RFoG standards.

### **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.