

Titan Delivers 100 Gigabit Ethernet on HFC Systems

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FREMONT, Calif. -- Titan Photonics, a market leader in optical components and network subsystem, introduces SR Technology that unlocks the potential of HFC Networks to deliver 100Gbps Ethernet to the homes.

As demand for high-speed data services increases, carriers are facing great challenge of how to get more capacity out to their customers at a reasonable cost. Titan Photonics SR is the advance Ethernet technology that is designed to provide high speed data over existing cable networks while maintaining low cost and flexibility for future upgrades.

Titan's SR Technology is FDEM (Frequency Division Ethernet Multiplexing) , the advanced RF mixed signal technology to provide 100Gbps+ to cable networks. FDEM uses low cost SOC (system on chip) to provide 100Gbps+ on a single wavelength and allows cable operators to add the bandwidth incrementally, without requiring new wavelengths or fibers for backward compatibility. It utilizes bandwidth efficient OFDM modems to enable cost-effective high data rate optical transport over medium to long distance ranges. Unlike other Ethernet solutions, FDEM is RF based technology and can be easily deployed with EOC in the brown field applications. FDEM is so flexible that allows PON network, point-to-point transmission, and coaxial distribution to coexist on a single network to provide more options and flexible designs. Titan will demonstrate how FDEM is applied to various cable network systems and explain why it is superior in cost and performance to traditional EPON technology.

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.

Please see us on the web at www.titanphotonics.com.

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