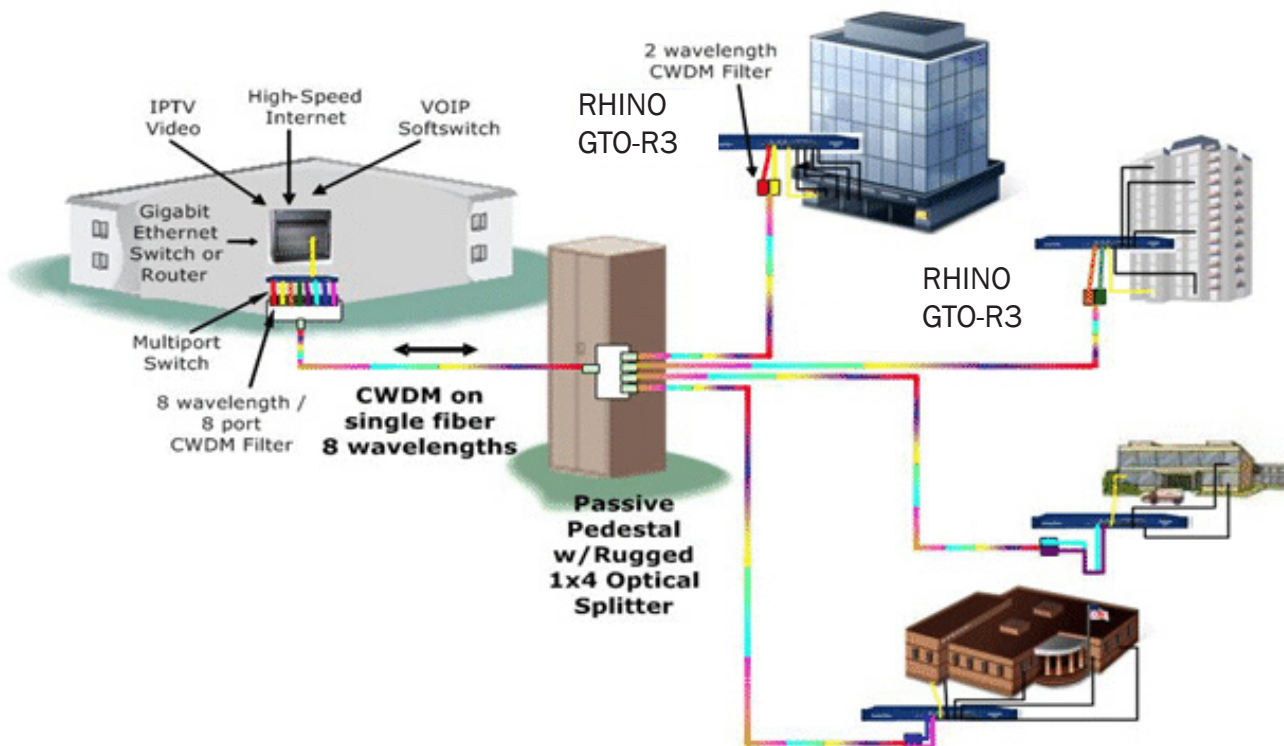


The Opportunity: Maximizing Fiber Capacity and Solving Fiber Exhaust

In order to deliver Ethernet Services cost effectively, each fiber must be used to it's fullest capacity. In many cases, fibers to businesses, neighborhoods, schools, municipalities and government facilities are under utilized. Given customers' ever increasing bandwidth requirements, it is important to leverage fibers to their maximum.

The Solution: Utilizing RHINO GTO with CWDM

To maximize the number of Gigabit Ethernet channels that can be delivered to access edge of the network, RHINO GTOs can be equipped with CWDM (Coarse Wavelength Division Multiplexing) Optical SFPs. The resulting CWDM network is connected over a passive optical network of combiners, splitters and filters.



Rapid Return on Investment

ReadyLinks provides a cost effective line of CWDM Optical SFP modules that can be inserted into the standard SFP slots in the RHINO GTO and GTO-R3. Using these SFPs along with passive optical CWDM Splitters and filters, Ethernet services can be deployed with rapid return on investment.

High Reliability Gigabit Ethernet Links

Using CWDM for Gigabit Ethernet delivery provides a highly reliable network. The network is easy to install and maintain which also adds to network uptime. There are no active electronics in the outside plant only passive optical connections. All electronics are either in the Central node or the Ethernet services termination point.

Flexible Deployment Options for Ethernet Delivery

CWDM network endpoints can be from 1 to 80km away from the Central site. The eight 1Gbps channels can be combined and filtered as network configuration demands. Also, ReadyLinks other GigE service topologies, point to point Ethernet and Ethernet Rings can be connected to CWDM networks to provide many network topology options.