

## Application Note | Point-to-Point | CWDM

### Situation

Between two locations (locations A and Z) you need to add multiple new services between the two but don't have any free fiber. Using the 8Ch CWDM + 1310nm wideband port will allow for the addition of 8 new 1G/10G services along with the existing 1310nm circuit. Refer to Figure 1 below for a logical diagram of this application.

### Solution

Using 8Ch CWDM +1310nm filters will provide a passive, non-powered, low loss solution to add the needed capacity along the span. This solution includes the 1310nm port which could be used for any legacy circuits that may be on the fiber or an upgrade channel for a low cost 100Gbps connection.

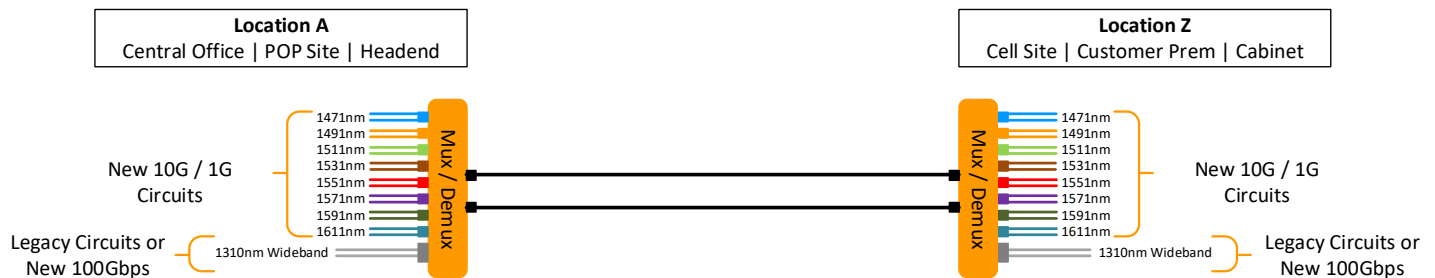


Figure 1: Logical "Point to Point" Diagram, 8Ch CWDM +1310nm

**Part Number:** PLO-L1CT-A9C1-LC

**Description:** 8ch CWDM (1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611nm)  
Plus 1310nm Mux/Demux Filter, Monitor Port, LGX, LC/UPC

### Features

- 8Ch CWDM + 1310nm
- 9 "Point to Point" Circuits
- 1Gig, 10Gig, 100Gig
- Configuration: Mux/Demux
- Form Factor: LGX
- Monitor Port: 2%
- Temp Range: I-Temp
- **Low Loss:** 1310nm < 1.5db, COM-CH <3.3db
- **Quick to Deploy:** Typically, in Minutes
- **Versatile:** 9 Circuits on Two Fibers

