

## Application Note | 8Ch +1310nm, PTP | DWDM

### 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 DWDM + 1310nm port will allow you to include any existing 1310nm service you may have on the fiber along with 8 new DWDM services. Refer to Figure 1 below for a logical diagram of this application.

### Solution

Using 8Ch DWDM +1310nm wideband 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. Also, along with the 8 channels of DWDM these filters also include an expansion port to allow the cascading of 8ch filters increasing the overall line capacity as needed.

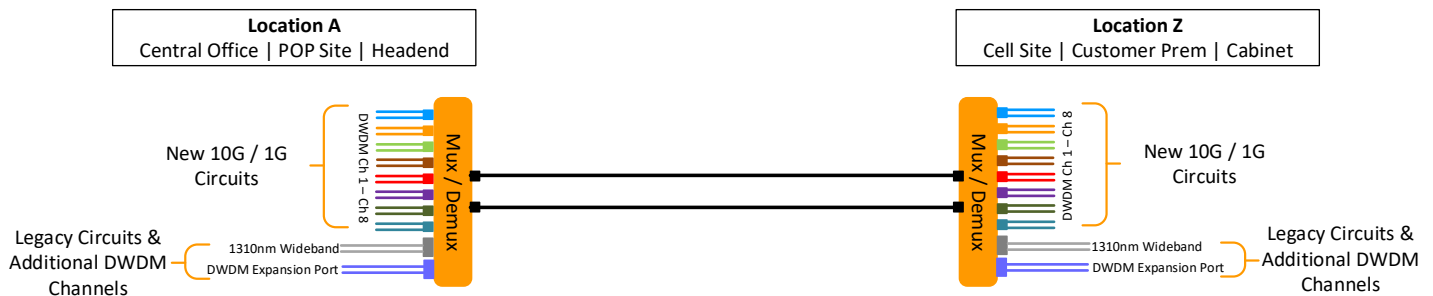


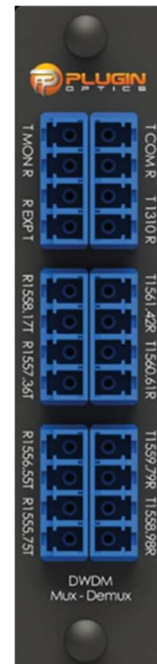
Figure 1: Linear PTP Diagram, 8Ch+ 1310nm DWDM

**Part Number:** PLO-L2DT-B9CX-LC

**Description:** LGX, 8 Channel DWDM +1310 +Exp, Mux-Demux, ITIU CXX-CXX, 2% Monitor, LC-UPC

### Features

- PTP: 8Ch DWDM + 1310nm
- Monitor Port: 2%
- Expansion Port
- 5 Variants: ITU Ch 20-59
- Technology: DWDM
- Configuration: MUX/DMX
- Form Factor: LGX
- **Low Loss:** 1310nm < 1.4db, COM-EXP <2.4db, COM-CH <3.7db
- **Quick to Deploy:** Typically, in Minutes
- **Versatile:** Available for ITU Ch20 to Ch 59





Ordering Information	
Part Number	Description
PLO-L2DT-B9C1-LC	LGX, 8 Channel DWDM +1310 +Exp, Mux-Demux, ITU C21-C27, 1561.42 - 1555.75, 2% Monitor, LC-UPC
PLO-L2DT-B9C2-LC	LGX, 8 Channel DWDM +1310 +Exp, Mux-Demux, ITU C28-C35, 1554.94 - 1549.32, 2% Monitor, LC-UPC
PLO-L2DT-B9C3-LC	LGX, 8 Channel DWDM +1310 +Exp, Mux-Demux, ITU C36-C43, 1548.51 - 1542.94, 2% Monitor, LC-UPC
PLO-L2DT-B9C4-LC	LGX, 8 Channel DWDM +1310 +Exp, Mux-Demux, ITU C44-51, 1542.14 - 1536.61, 2% Monitor, LC-UPC
PLO-L2DT-B9C5-LC	LGX, 8 Channel DWDM +1310 +Exp, Mux-Demux, ITU C52-C59, 1535.82 - 1530.33, 2% Monitor, LC-UPC
<i>Note: Plugin Optics also offers versatile 2, 3, and 14 slot LGX mounting solutions.</i>	