

Application Note | Four Services, OADM | DWDM

Situation

Between two locations (A and Z), that are equipped with a 40 channel DWDM system, you need to provide service to mid-span location X. You need to drop four 1G/10G access services and connect them to both locations A & Z for a protected SLA service. Refer to Figure 1 below for a logical diagram of this application.

Solution

Using a four channel DWDM Optical Add Drop Multiplexer (OADM) will provide a passive, non-powered, low loss solution to deliver the SLA services. This OADM can be used to access four DWDM channels along the route while passing the remaining 36 channels.

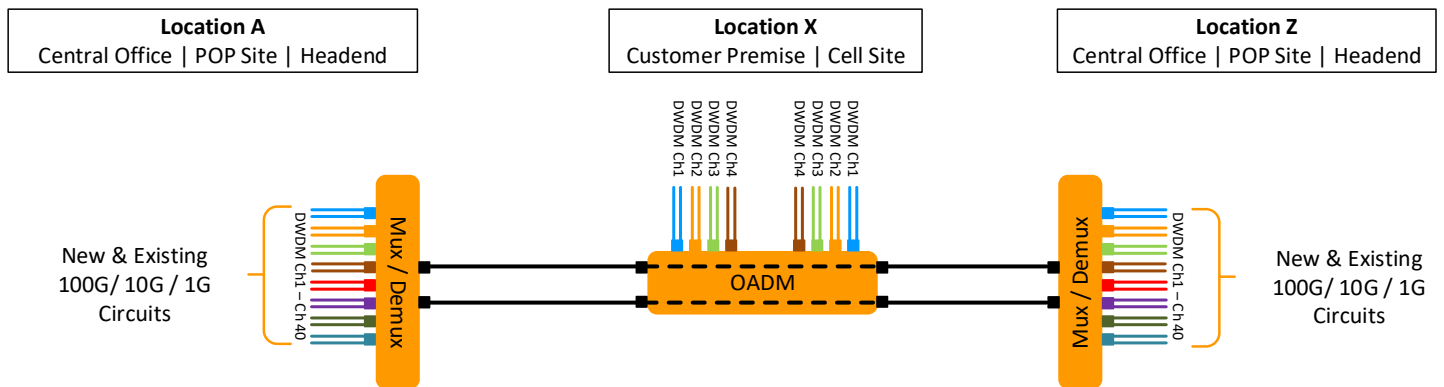


Figure 1: Linear OADM Diagram, 4Ch DWDM

Part Number: PLO-L3DT-A4DX-LC

Description: LGX, 4 Channel DWDM OADM, ITU CXX-XX (Channels 20-59), 2% Monitor, LC-UPC

Features

- Add/Drop: 4 DWDM Channels
- Monitor Port: 2%
- 10 Variants: ITU Ch 20-59
- Technology: DWDM
- Configuration: OADM
- Form Factor: LGX
- Temp Range: I-Temp
- **Low Loss:** Add/Drop < 2.7db, Express < 3.5db
- **Quick to Deploy:** Typically, in Minutes
- **Versatile:** Available for ITU Ch 20 to Ch 59





Ordering Information	
Part Number	Description
PLO-L3DT-A4D1-LC	LGX, 4 Channel DWDM OADM, ITU C20-C23, 1561.42, 1560.61, 1559.79, 1558.98, 2% Monitor, LC-UPC
PLO-L3DT-A4D2-LC	LGX, 4 Channel DWDM OADM, ITU C24-C27, 1558.17, 1557.36, 1556.55, 1555.75, 2% Monitor, LC-UPC
PLO-L3DT-A4D3-LC	LGX, 4 Channel DWDM OADM, ITU C28-C31, 1554.94, 1554.13, 1553.33, 1552.52, 2% Monitor, LC-UPC
PLO-L3DT-A4D4-LC	LGX, 4 Channel DWDM OADM, ITU C32-C35, 1551.72, 1550.92, 1550.12, 1549.32, 2% Monitor, LC-UPC
PLO-L3DT-A4D5-LC	LGX, 4 Channel DWDM OADM, ITU C36-C39, 1548.51, 1547.72, 1546.92, 1546.12, 2% Monitor, LC-UPC
PLO-L3DT-A4D6-LC	LGX, 4 Channel DWDM OADM, ITU C40-C43, 1545.32, 1544.53, 1543.73, 1542.94, 2% Monitor, LC-UPC
PLO-L3DT-A4D7-LC	LGX, 4 Channel DWDM OADM, ITU C44-C47, 1542.14, 1541.35, 1540.56, 1539.77, 2% Monitor, LC-UPC
PLO-L3DT-A4D8-LC	LGX, 4 Channel DWDM OADM, ITU C48-C51, 1538.98, 1538.19, 1537.40, 1536.61, 2% Monitor, LC-UPC
PLO-L3DT-A4D9-LC	LGX, 4 Channel DWDM OADM, ITU C52-C55, 1535.82, 1535.04, 1534.25, 1533.47, 2% Monitor, LC-UPC
PLO-L3DT-A4D0-LC	LGX, 4 Channel DWDM OADM, ITU C56-C59, 1532.68, 1531.90, 1531.12, 1530.33, 2% Monitor, LC-UPC
<p><i>Note: Plugin Optics also offers 1ch and 2ch OADMs as well as LGX mounting solutions.</i></p>	