

Product List

* Industry unique product or feature (you can't find anywhere else)

Passive Products

- Lifetime non transferrable warranty
- ISO 9001 manufacturing
- Telcordia GR-1209/1221
- Transparent to all protocols and data rates
- Optimized for low insertion loss
- No power required, no cooling required

CWDM Lite Product Line:

1. **CWDM Lite Multiplexer:** Multiplex 4 to 18 CWDM channels onto your fiber link
 - 4, 8, 16 and 18 channel
 - Dual or single fiber strand
 - Single mode or [multimode fiber multiplexer*](#) (Patent Pending)
 - All ports bidirectional
2. **CWDM Lite OADM:** Add/Drop 1 to 8 channels in mid span of your CWDM fiber link.
 - 1 to 8 channel add/drop, fixed channels not reconfigurable
 - Dual or single fiber strand
 - Single mode or [multimode fiber multiplexer*](#) (Patent Pending)
 - All ports bidirectional
3. **CWDM Lite M-ROADM*:** Add/Drop 1 to 18 channels in mid span of your CWDM fiber link (Patent Pending).
 - Reconfigurable add/drop 1 to 18 channels in your CWDM fiber link
 - Dual or single fiber strand
 - Single mode or [multimode fiber multiplexer*](#) (Patent Pending)
 - All ports bidirectional

4. **CWDM Lite 40G or 100G Base-LR4/ER4 Multiplexer***: Add a 40G or 100G Base-LR4/ER4 channel to a CWDM 8 channel multiplexer.
 - 8 channel CWDM multiplexer with an added 40G or 100G Base-LR4/ER4 channel (in O-Band)
5. **CWDM Lite NxN Optical Router***: Route channels to different router ports by simply changing channels.
 - Dual or single fiber strand
 - Single mode or [multimode fiber multiplexer*](#) (Patent Pending)
6. **DWDM over CWDM***: Place 8 or 16 DWDM channels onto CWDM channels
 - Fit 8 or 16 DWDM channels into CWDM channels 1531nm and/or 1551nm, (extended range 1571nm, 1591nm)
 - Dual or single fiber strand
 - All ports bidirectional

DWDM Lite Product Line:

7. **DWDM Lite Multiplexer**: Multiplex 4 to 80 DWDM channels onto your fiber link
 - 4, 8, 16, 32, 40, 44 and 80 channels
 - Dual or single fiber strand
 - Single mode or [multimode fiber multiplexer*](#) (Patent Pending)
 - All ports bidirectional
8. **DWDM Lite OADM**: Add/Drop 1 to 8 channels in mid span of your DWDM fiber link.
 - 1 to 8 channel add/drop, fixed channels not reconfigurable
 - Dual or single fiber strand
 - Single mode or [multimode fiber multiplexer*](#) (Patent Pending)
 - All ports bidirectional
9. **DWDM Lite M-ROADM***: Add/Drop 1 to 44 channels in mid span of your DWDM fiber link.
 - Reconfigurable add/drop 1 to 44 channels in your DWDM fiber link
 - Dual or single fiber strand
 - Single mode or [multimode fiber multiplexer*](#) (Patent Pending)
 - All ports bidirectional

10. **DWDM Lite 40G or 100G Base-LR4/ER4 Multiplexer***: Add 40G or 100G Base-LR4/ER4 channel to any DWDM multiplexer.
 - DWDM multiplexer with an added 40G or 100G Base-LR4/ER4 channel (O-Band)
 11. **DWDM Lite CCM Multiplexer***: 8, 16, 32 or 40 channel passive DWDM multiplexer with built in channel power adjustments using M-VOA and monitor ports.
 12. **DWDM Lite NxN Optical Router***: Route channels to different router ports by simply changing transceiver transmitter wavelengths.
 - Dual or single fiber strand
 - Single mode or [multimode fiber multiplexer*](#) (Patent Pending)
- Other Passive Products:**
13. **WDM Lite Cross Band Coupler**: Double fiber link bandwidth by using 1310nm and 1550nm transceivers.
 - Dual or single fiber strand
 - Single mode or [multimode fiber multiplexer*](#) (Patent Pending)
 14. **Bi-Directional Coupler***: Transmit and receive on one fiber using 1310 or 1550nm transceivers
 - Single fiber strand
 - Can be used with legacy equipment with non removal 1310nm or 1550nm transceivers
 15. **DWDM Lite Channel Equalizer***: Equalize DWDM optical powers for EDFA channel leveling
 - 8 or 16 channel unit
 - Manual VOA adjustment to equalize channels
 16. **DWDM Lite DCM**: Chromatic dispersion compensation modules
 - Single or dual modules in 1 rmu enclosure
 17. **DWDM PON***: 44 channel FTTH PON system

18. **OTDR Lite Dead Zone Fiber:** dead Zone fiber spool used with OTDR measurements
- 500m, 1km, 2km, 3km or 4km spool

Active Products:

- ISO 9001 manufacturing
- Warranty varies, dependent on product, 1 to 3 years

19. **Transceivers:** SFP, SFP+, XFP, GBIC, Zenpak, Bidi, etc..
- DWDM channels, 100GHz and 50GHz spacing, C-Band and L-Band
 - CWDM channels
 - 850nm, 1310nm, 1550nm
 - 10km to 150km reach
 - Rates from 100 mbps to 10Gbps, and 40 Gbps
 - SONET, SDH, Ethernet, GigE, 10GbE, 40GbE, Fiber Channel

20. **CWDM Lite Laser Source*:** 18 Wavelength CWDM Laser Source
- Outputs all 18 CWDM wavelengths
 - Used for testing fiber loss over entire CWDM spectrum

21. **DWDM Lite Transponder*:** Channel Tunable Transponder
- 44 channels (100GHz), 88 channels (50GHz), or L-Band
 - Large optical budget, 30 dB to 40 dB

22. **EDFA Lite Optical Amplifier:** Booster, In-Line or Pre-amp

23. **Optical Amplifier Protection Switch:** 1:2 protection of EDFA amps