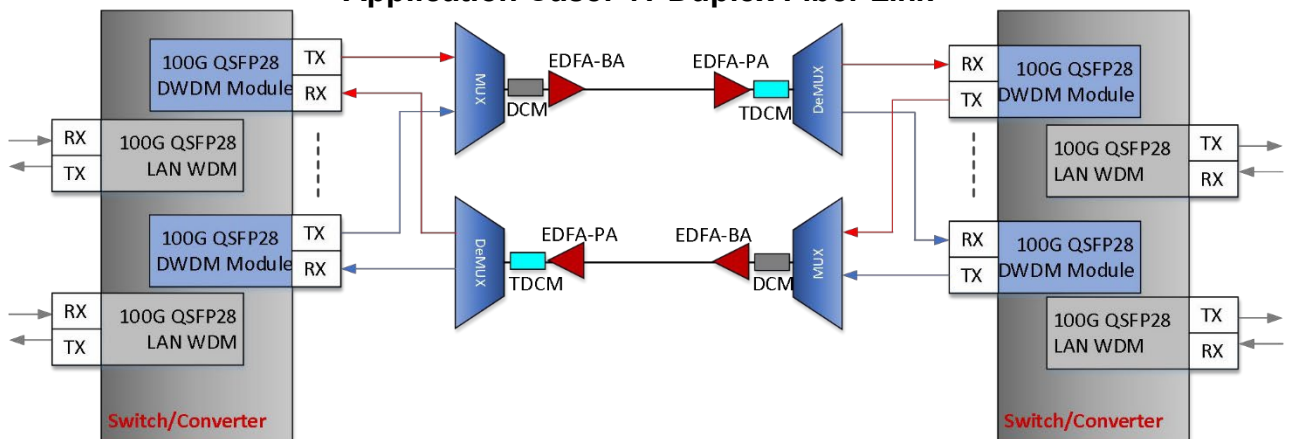


**E-QSFP28-DW-ZR4-XX-XX****100G QSFP28 DWDM Pluggable Optical Transceiver****Features**

- Single-wavelength 100 Gbps transmission
- nCP4™ Silicon Photonics Optical Engine
- Fixed wavelengths on 100GHz DWDM grid
- PAM4 optical signal with integrated FEC
- 4x25.78 Gbps CAUI-4 host interface
- Compatible with standard 100GHz DWDM filters
- Up to 100km over SMF (with DCM and EDFA)
- Duplex LC connector
- Compliant with QSFP28 MSA SFF-8636
- QSFP28 MSA digital monitoring functions

**Product Description**

Our single-wavelength 100G QSFP28 DWDM pluggable optical transceivers, enabled By nCP4™ Silicon Photonics Optical Engine platform, are designed for multiple channel 100GbE transmission up to 100km distance over standard G.652 single mode optical fibers (SMF). For short distances (< 2km) dispersion compensation is not required. For longer distances, EDFA and DCM are required to compensate the fiber link loss and fiber dispersion.

**Application Case: 4T Duplex Fiber Link**

The 100G QSFP28 DWDM module supports up to 25dB power budget with dispersion compensation and amplification. With 40-channels available, 4Tbps links up to 100km are possible.

**Product Advantages**

- Lower cost offers significant savings over Coherent 100G DWDM modules
- Low latency is favorable for delay sensitive applications
- Low power consumption is compatible with common 100GE switches and routers
- QSFP28 form-factor plugs directly into standard 100GE switches (including white-box switches)
- Compatible with standard 100GHz spacing DWDM Mux/Demux filters
- 0 to 2km direct links at greatly reduced DWDM system cost – EDFA & DCM not required

Parameters	Coherent DP-OPSK	Dual Wavelength PAM4	Single Wavelength PAM4
Power Consumption	> 10W	4. 5W	5W
Cost	High	Medium	L_ow
Transmission Distance	Long	Up to 80km	Up to 100km
Module Form Factor	CFP2/QSFP-DD	QSFP28	QSFP28
DWDM Grid	50GHz Spacing	Customized	100GHz Spacing
DWDM Mux/Demux	Standard	Customized	Standard
Direct Link without EDFA	Yes	No	Up to 2km
Total Capacity per Fiber	>80x100G	40 x 100G	40 x 100G Standard 48 x 100G Possible
Single-Fiber Bi-Directional Transmission	Difficult & Higher Cost	Difficult to Impossible	Intrinsic