

# Submission for Approval by OCP IC: 2/23/17

## 100G Optics CWDM4-OCP Specification

### Goal

- Share specification for 100G optical interconnect optimized for data-center applications
- Relaxed specifications to improve cost efficiency
- Take advantage of single-mode fiber to future proof fiber infrastructure for multiple generations.

### Contacts

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# 100G Optics CWDM4-OCP Specification

## CWDM4-OCP:

- relaxed specification for DCs
- reduced temperature range
- reduced link budget

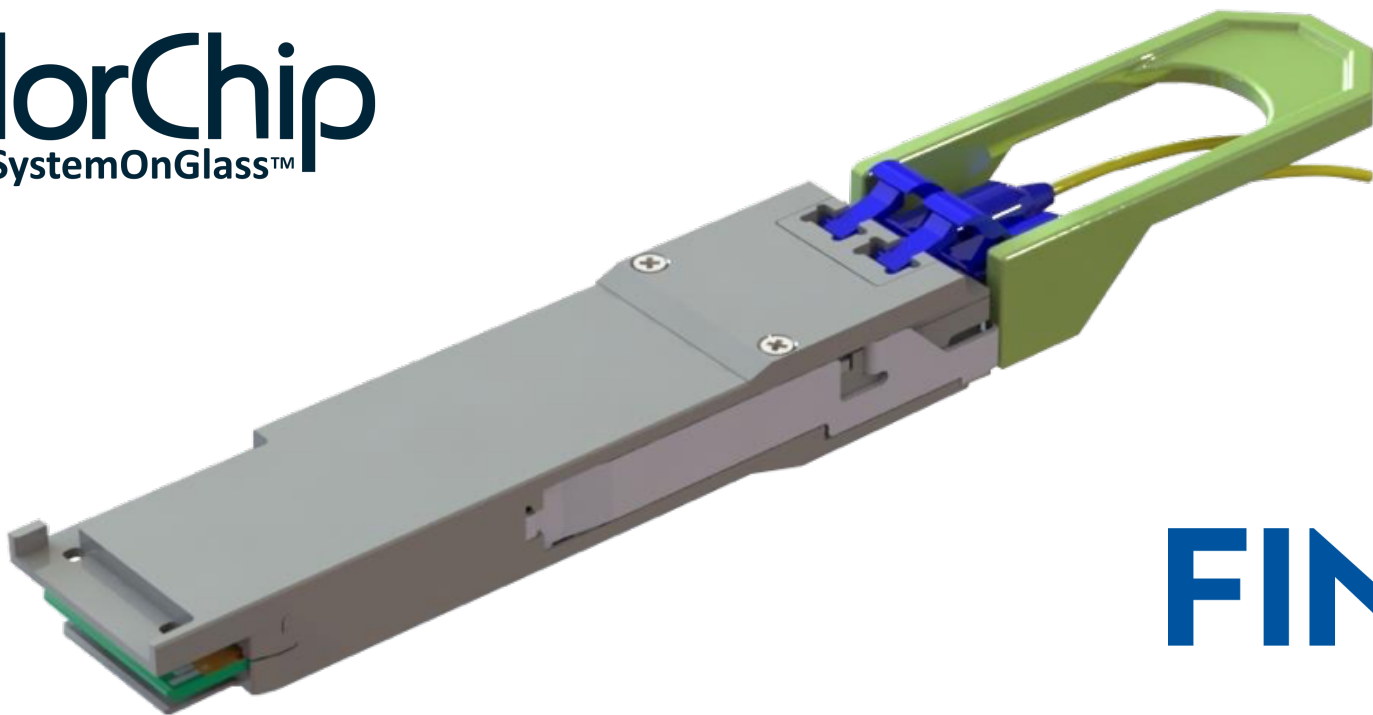
	CWDM4-OCP Relaxed Specification	CWDM4 MSA Base Specification
Reach	500 m	2000 m
Tx OMA	-5 dBm	-4 dBm
Tx OMA-TDP	-6 dBm	-5 dBm
Rx Sensitivity	-9.5 dBm	-10 dBm
Link loss	3.5 dB	5 dB
Operating Case Temperature	15-55 deg C	0-70 deg C

# 100G Optics CWDM4-OCP Ecosystem

- Commercially available CWDM4-OCP optical transceivers include:
- Ecosystem of switch equipment

Optical Transceiver Manufacturers	CWDM4-OCP Model Number
Colorchip	C100 Q005 CWDM4 02B
Finisar	FTLC1152RGPL6

Compatible Switches	Model Number
Edgecore Networks	Wedge100-32X
Celestica	D8020 (Backpack 100G)



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