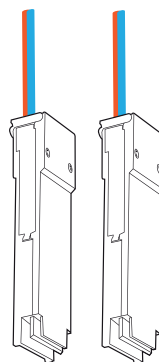


Greater flexibility, higher density.

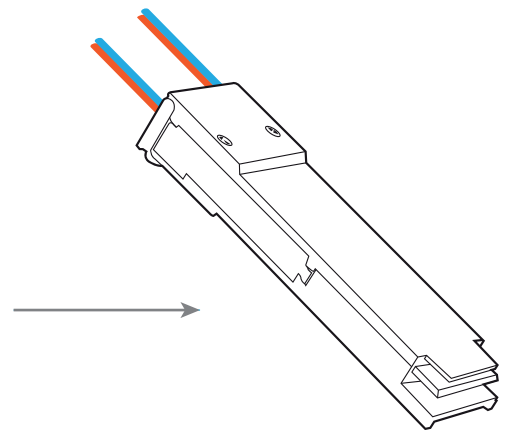
Introduction

The C-SFP (Compact SFP) is a dual transceiver, packaged into a single SFP form factor.

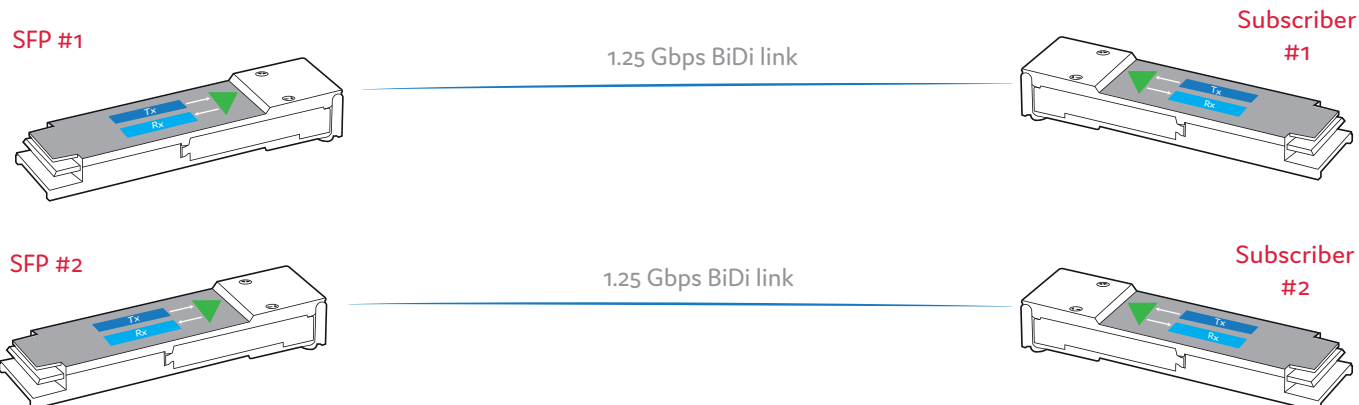
Mainly used for FTTx application in P2P topology (Active Ethernet), the regular C-SFP is 2x single-fibre BiDi transceiver, downstream (Tx 1490nm or 1550nm). It replaces 2x SFP single fibre BiDi on street cabinet side to increase the density.



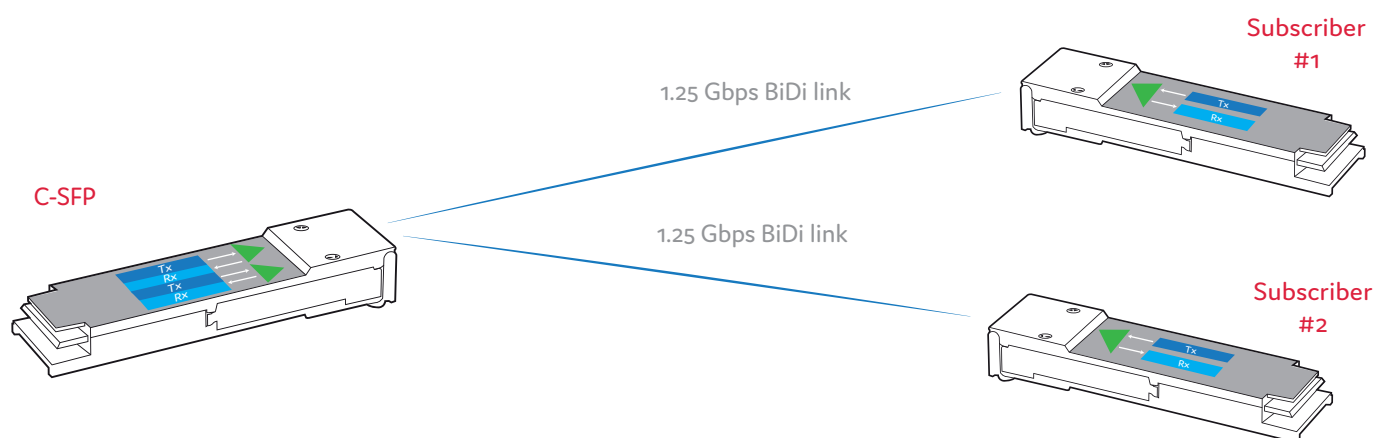
2x SFP BiDi (single fibre)



1x C-SFP BiDi (single fibre)



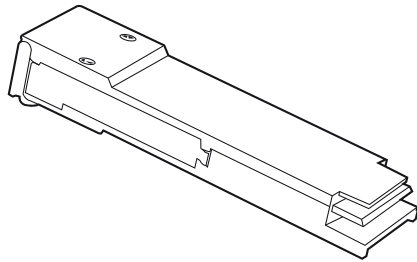
Conventional Active Ethernet setup for FTTH application with regular SFP BiDi on central office side.



High density central office with compact SFP for FTTH Active Ethernet application.

Compact SFP (C-SFP) - option #1 and option #2

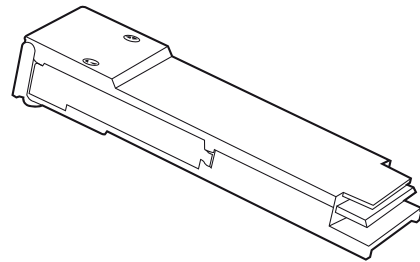
The compact SFP MSA has defined 2 different options for the C-SFP: Option #1 and Option #2. The main difference is on the transceiver electrical pinout:



C-SFP Option 1

The C-SFP option 1 has a dedicated electrical pinout not compatible with standard SFP pinout. Only some platforms require the option 1 pinout but this remains uncommon.

The Option #1 will not work in any regular SFP linecard, neither Option #2 linecard.



C-SFP Option 2

The C-SFP option 2 has an electrical pinout compatible with regular SFP pinout. Massively adopted in the market, the option 2 C-SFP plugged into a C-SFP port will have the 2x channels enabled while only the first channel will remain active if plugged into a regular SFP port.

Compact SFP (C-SFP) – ProLabs SKU

SKU	Description	Vendor compatibility
CSFP-GEb10-1490/1310-I-LC	C-SFP Option 1 Tx1490 Rx1310 20km Gigabit Ethernet 0-70°C DDM	Calix / Generic
CSFP-20KM-OPT2-NC	C-SFP Option 2 Tx1490 Rx1310 20km Gigabit Ethernet 0-70°C DDM	Generic
GLC-2BX-D-C	C-SFP Option 2 Tx1490 Rx1310 20km Gigabit Ethernet 0-70°C DDM	Cisco
CSFP-GE-FE-BXD1-C	C-SFP Option 2 Tx1490 Rx1310 20km Gigabit Ethernet & Fast Ethernet 0-70°C DDM	Huawei
1442020G1-C	C-SFP Option 2 Tx1490 Rx1310 20km Gigabit Ethernet 0-70°C DDM	Adtran
3HE08313AA-C	C-SFP Option 2 Tx1490 Rx1310 20km Gigabit Ethernet 0-70°C DDM	Nokia/ALU

more options (transmitter wavelength, distance, bitrate and temperature) are also available. Please contact ProLabs representative for more information.

Visit www.prolabs.com for more connectivity solutions.

