

Upgraded version – featuring a handy EXP/1310 expansion port!

Supports SFP/SFP+ / SFP28 / QSFP / QSFP28 up to 100 Gbps

CWDM

A passive MUX/DEMUX unit that allows the combining of up to eight fiber links into one. And you can split it up again later!



increase efficiency of existing fiber networks



multiple channels/wavelengths over the same fiber cabling



reduce electricity consumption, equipment maintenance and installation costs



passive modules – no power source required

The CWDM is a passive MUX/DEMUX unit that allows to simplify and reduce the cost of long-distance fiber installations by combining up to eight fiber links into one. At the other location, the combined line is split back up again, so that instead of eight long fiber lines, you would only need one. The Coarse Wavelength-Division Multiplexing (CWDM) technology offers a solution that will increase the capacity of existing fiber infrastructure by enabling multiple channels/wavelengths over the same fiber cabling. Reduce costs for a new fiber-optic deployment without cutting corners!

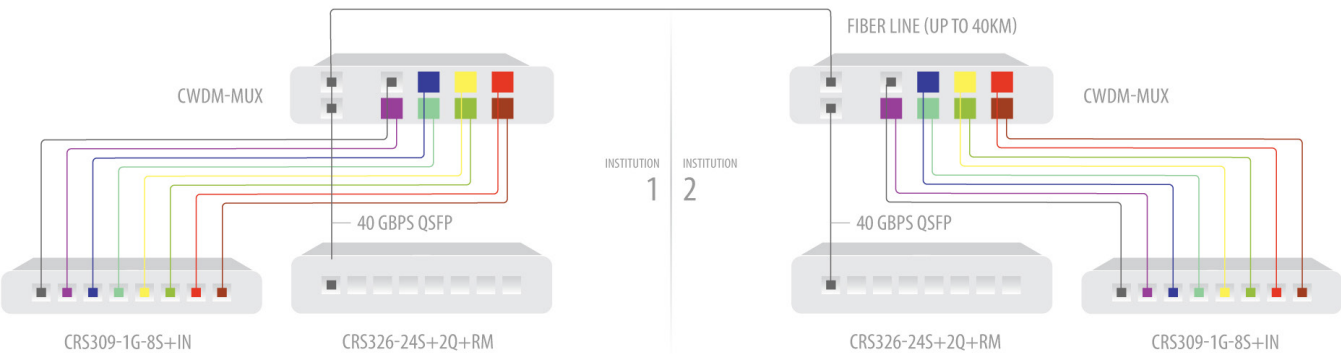
CWDM allows you to:

- increase the efficiency of existing fiber networks
- provide scalable and easy-to-deploy fiber channel services
- reduce electricity consumption
- reduce equipment maintenance and installation costs
- use multiple channels/wavelengths over the same fiber cabling

/ This is an upgraded revision of CWDM. Based on your feedback, we have decided to replace the rarely used MON port with the practical EXP/1310 expansion port. With this addition, you can now use regular optical modules alongside other CWDM modules. The EXP/1310 port supports all **1310nm** SFP / SFP+ / SFP28 / QSFP / QSFP28 modules up to 100 Gbps.

Our CWDM solution enables up to 8 channels for transmitting and receiving signals, with wavelengths from 1470 nm to 1610 nm. A duplex fiber cable links two dual-fiber CWDM MUX/DEMUXs units, supporting the same wavelengths installed on each end of the fiber-optic network. Each CWDM unit features a special filter - tuned for a specific wavelength, so it is important to connect the correct wavelength to the corresponding port.

This is the perfect solution to create effective data networks between all kinds of institutions. You can mix and match different types of SFP connections between all your devices.



You can use a single optical fiber cable to create up to eight independent 1.25Gbps SFP (up to 40km) or 10Gbps SFP+ (up to 10km) links - saving plenty of time on money on installation or leasing of additional fibers. You can even use 1.25Gbps modules and 10Gbps modules at the same time. CWDM MUX/DEMUX modules are passive devices and there is no power source required.

Our CWDM product range includes CWDM-MUX8A, the 8-port CWDM MUX/DEMUX unit (supports both SFP and SFP+ which can be mixed at the same time), CWDM-CHASSIS-2, a 1U Chassis bracket (can hold two CWDM-MUX8A units). Eight different SFP CWDM transceivers (1.25G, Single Mode, 40km range, Dual LC-connector DDM, range from 1470-1610nm, same wavelength pair required for a link) and eight different SFP+ CWDM transceivers (10G, Single Mode, 10km range, Dual LC-connector DDM, range from 1470-1610nm, same wavelength pair required for a link).

Product list

Product code	Description
CWDM-CHASSIS-2	1U Chassis bracket for CWDM 8-port MUX/DEMUX unit
CWDM-MUX8A	CWDM MUX/DEMUX 8-port unit
S-C47DLC40D	SFP CWDM module 1.25G SM 40km 1470nm Dual LC-connector DDM
S-C49DLC40D	SFP CWDM module 1.25G SM 40km 1490nm Dual LC-connector DDM
S-C51DLC40D	SFP CWDM module 1.25G SM 40km 1510nm Dual LC-connector DDM
S-C53DLC40D	SFP CWDM module 1.25G SM 40km 1530nm Dual LC-connector DDM
S-C55DLC40D	SFP CWDM module 1.25G SM 40km 1550nm Dual LC-connector DDM
S-C57DLC40D	SFP CWDM module 1.25G SM 40km 1570nm Dual LC-connector DDM
S-C59DLC40D	SFP CWDM module 1.25G SM 40km 1590nm Dual LC-connector DDM
S-C61DLC40D	SFP CWDM module 1.25G SM 40km 1610nm Dual LC-connector DDM
S+C47DLC10D	SFP+ CWDM module 10G SM 10km 1470nm Dual LC-connector DDM
S+C49DLC10D	SFP+ CWDM module 10G SM 10km 1490nm Dual LC-connector DDM
S+C51DLC10D	SFP+ CWDM module 10G SM 10km 1510nm Dual LC-connector DDM
S+C53DLC10D	SFP+ CWDM module 10G SM 10km 1530nm Dual LC-connector DDM
S+C55DLC10D	SFP+ CWDM module 10G SM 10km 1550nm Dual LC-connector DDM
S+C57DLC10D	SFP+ CWDM module 10G SM 10km 1570nm Dual LC-connector DDM
S+C59DLC10D	SFP+ CWDM module 10G SM 10km 1590nm Dual LC-connector DDM
S+C61DLC10D	SFP+ CWDM module 10G SM 10km 1610nm Dual LC-connector DDM