

16/8G FC SAN EXTENSION TRANSCEIVERS

Cisco approved transceivers

OVERVIEW

16/8G Fibre Channel is the traffic protocol of choice for SANs (storage area networking) and the ability to synchronously replicate it between data centers is key to the successful implementation of a remote back up policy. Smartoptics 16G and 8G Fibre Channel transceiver solutions have been validated by Cisco for use in the 16G MDS* switch families. Supported transceivers are 16/8G FC Single Channel, CWDM and DWDM

* 32G Fibre Channel and Nexus approval to follow.

SINGLE CHANNEL CONNECTIVITY

Simple point to point connectivity using single channel 16/8G transceivers that connect directly in to the Fibre Channel switch and on to the line fiber. Quick and easy connection for a single channel of traffic between two sites. 80km for 8GFC, 40km for 16GFC.

CWDM CONNECTIVITY

8 independent CWDM (Coarse Wavelength Division Multiplexing) signals multiplexed together on to a dark fiber through via a CWDM multiplexer. Connect the colored wavelength transceivers in to the FC switch and use an LC patch cable to connect it to the corresponding port on the multiplexer. No transceivers are required in the multiplexer, making this a simple low cost passive connectivity solution for up to 8 channels up to 70km apart (40km for 16GFC)

DWDM CONNECTIVITY

Similar technology to CWDM where multiple wavelength channels are used to connect many traffic types on to a single dark fiber network through a multiplexer. DWDM allows up to 88 simultaneous wavelength channels to be connected through a DWDM Multiplexer and on to a single dark fiber network. DWDM can be amplified if longer distances are required.

ORDERING INFORMATION

Part number	Wavelength	Description
DS-16G-ER	1550	SFP+, 16/8/4G FC/FICON, SM, DDM, 13dB, 40km
DS-16G-ER-Cxx	CWDM	SFP+, 16/8/4G FC/FICON, CWDM, SM, DDM, 13dB, 40km
DS-16G-ER-Dxxxx	DWDM	SFP+, 16/8/4G FC/FICON, DWDM, SM, DDM, 13dB, 40km
DS-8G-ZR	1550	SFP+, 8/4/2/1G FC/FICON, CWDM, SM, DDM, 23dB, 70km
DS-8G-ZR-Cxx	CWDM	SFP+, 8/4/2/1G FC/FICON, CWDM, SM, DDM, 23dB, 70km
DS-8G-ZR-Dxxxx	DWDM	SFP+, 8/4/2/1G FC/FICON, DWDM, SM, DDM, 23dB, 80km

Smartoptics transceivers supported in MDS 9700, 9250i, 9148s and 9396s. NxOS 6.2.19 and above required.

Subject to change without notice.