



Fiber Network Engineering Inc.



FNE 8 Channel CWDM Optical Transport Platform

Coarse Wave Division Multiplexing Technology

Save on leased fiber costs using the FNE Optical Transport Platform based on CWDM Technology. The FNE 8 channel CWDM product is a 8-channel duplex optical transport platform suitable for data protocol independent transport of your digital signal streams.

The FNE CWDM Features:

Optical Features:

- Eight wavelengths per fiber network side
- 1310 nm or 800 nm optical interface on equipment side
- Capable of custom wavelength plans

Protocols Supported:

The FNE 8 Channel CWDM is protocol independent, allowing the transport of Sonet, Gigabit Ethernet, Voice, ATM or digital Video on any of the four optical wavelengths.

FNE CWDM Technical Specifications

	Item	Specification
Optical Specifications	Trunk Center Wavelengths	1470,1490,1510,1530,1550,1570, 1590,1610 nm
	Optical Passband	+/- 7nm
	Loss Budget	13 dB minimum (Approx. 50km)
	Network Access Wavelengths	800nm, 1310 nm
Electrical Interfaces	Voltage	90 to 250 VAC or -40 to -52 VDC
	Power	30 Watts Max.
Physical	Trunk (Network) Port	SM fiber, SC/APC or SC/UPC

Interfaces	Network Access Switch Port	SM or MM LC Form Factor
General	Transmission Speed Maximum Capacity	45 Mb/s to 1.25Gb (Gigabit Ethernet) 8 duplex
Environmental	Operating Temperature Humidity	0 to 50 Degree C. 0 to 80% non-condensing
Dimensions	Height Width Depth Weight	1.75 Inches (1RU) 19.00 Inches 11.50 Inches 16.50 Lbs.
Alarms	Transceiver Channel Power Supply	Active/Fail Active/Fail
Standards	CWDM	20nm Channel Spacing Class 1 Laser Safety