MULTIPLEXERS

Passive CWDM/DWDM networking.

ProLabs
Unlock your connectivity

We strive in creating advanced solutions in connectivity.

New to the range, ProLabs is pleased to offer a highly versatile CWDM or DWDM, passive, multiplexing solution. Multiplexing offers the customer a high density, scalable fibre solution. Rather than investing in more fibre, it allows an increase in the fibre bandwidth by carrying multiple signals down an individual fibre connection. Additionally, a single unit permits a combination of Ethernet and fibre channel traffic, ranging from 100Mb to 100Gb, to be sent in unison with no latency.

Application

CWDM - Coarse Wave Division Multiplexing
CWDM passive solutions carry up to 16 different wavelengths (colours of light) down a lone fibre connection. The primary 8 channels operate in the 1500nm range and the secondary 8 channels operate in the 1300nm range. CWDM channel spacing is 20nm. Specific, industry standard colour coding is used resulting in a simplified set up.

DWDM - Dense Wave Division Multiplexing
DWDM passive solutions carry up to 88 different wavelengths down an individual fibre connection. The channel spacing is typically 100GHz (0.8nm) and reside in the 1530 to 1560nm band.

The upshot is that a DWDM unit can carry more signals over a greater distance.

Product Overview

CWDM integrated mux/demux (1-2-4-8 channels 20nm spaced) and individual mux or demux (8 and 18 channels).
DWDM integrated mux/demux (2, 4, 8, 40 channels, 100GHz spaced) mux/demux
CWDM & DWDM integrated single fibre mux/demux (4 and 8 channels).
CWDM and DWDM Optical Add & Drop multiplexers (1, 2, 3 , 4 channels), units designed to add and drop channels in intermediate nodes without demultiplexing all the channels CATV mux/demux.

Why ProLabs?

ProLabs offers the ability to seamlessly integrate the transceiver with existing network equipment by offering tested and assured compatibility.

Visit www.prolabs.com for more connectivity solutions.