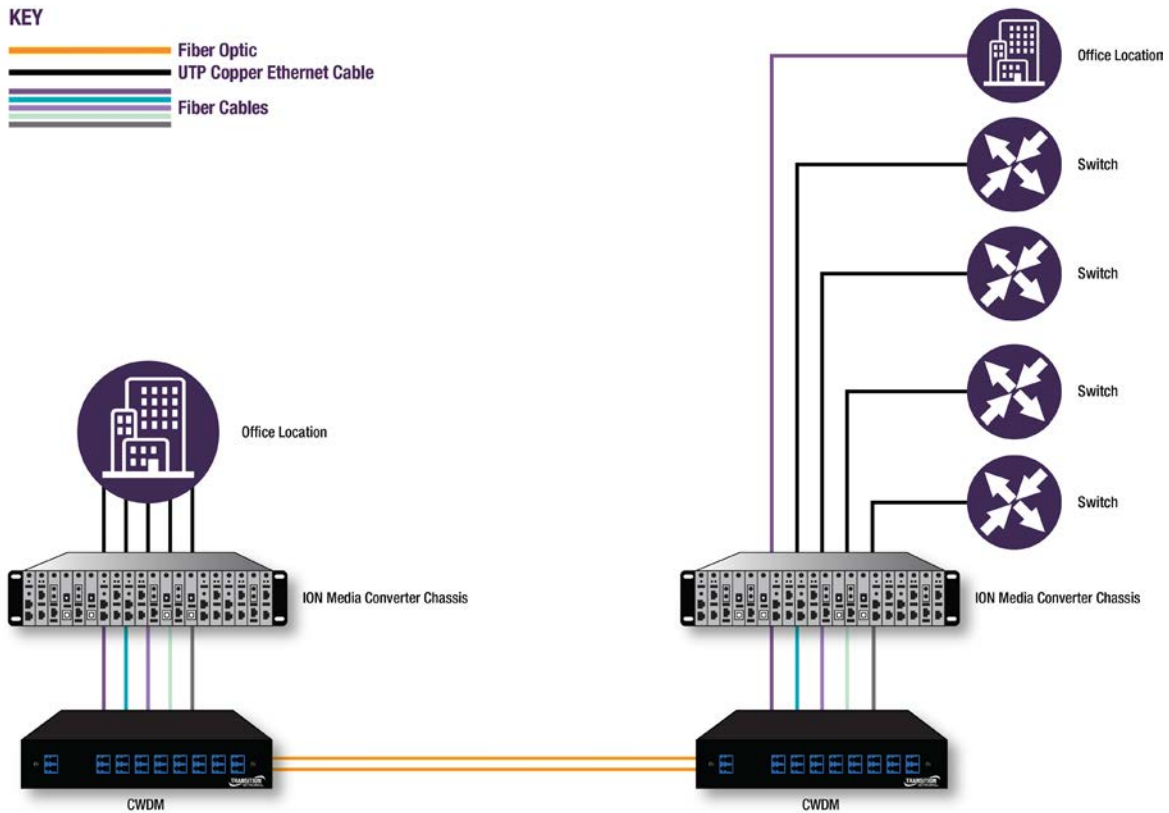


# Coarse Wavelength Division Multiplexing (CWDM) Mux/Demux



## Applications

- Fast Ethernet, Gigabit and 10G Ethernet network
- Fiber channel and Sonet/SDH
- Metro and Campus networks

## Features

## Benefits

Coarse WDM technology	20nm step for each channel, allows for the use of less expensive components to offer a cost affordable solution to enhance fiber capacity
4/8/16 channel Mux/Demux	Expand capacity using existing fiber infrastructure, scalability to grow fiber capacity with little or no increased cost
High density solution	1RU chassis hold 2 modules, small footprint saves the expensive rack space, fits well within the customer premises
Passive unit	Passive equipment that uses no electrical power
Protocol transparent	Full independence from transmission speed and transmission protocols such as Gigabit, 10G Ethernet and Fiber Channel
Plug and play	Installation requires no configuration, simple to install and use
Extended temperature range	Designed for a wide temperature range (-20 to 70°C) that can fit for Enterprise and Service Provider applications

# CWDM-MxxxLCR-B & CWDM-A2A8xxLCR-B



Specifications	CWDM-M551LCR-B	CWDM-M947LCR-B	CWDM-M1631LCR-B	CWDM-A2A8xxLCR-B
Channels	4 Channels + OSC Duplex LC	8 Channels + OSC Duplex LC	16 Channels	1 Channel with E/W Lines
Insertion Loss with Connector	<= 1.68dB	<= 2.5dB	<= 3.2dB	In-Drop < 0.9 dB Add-Out < 0.9 dB In-Out < 0.8 dB
Weight	0.88 lbs. [0.40 kg]	0.9 lbs. [0.41 kg]	1 lb. [0.46 kg]	0.88 lbs. [0.40 kg]

## All Mux/Demux

Channel Wavelength	ITU & ITU+1 (nm)
Center Wavelength Accuracy	+/-0.5 (nm)
Channel Spacing	20 (nm)
Channel Passband bandwidth (nm)	+/-6.5 (nm)
Channel Ripple	0.3dB
Isolation Adjacent	> 30dB
Non-Adjacent	> 40dB
Insertion Loss Temperature Sensitivity	<= 0.005dB/°C
Wavelength Temperature Shifting	<0.002 nm/°C
Polarization Dependent Loss	<0.1dB
Polarization Mode Dispersion	<0.1 PS
Directivity	>50dB
Return Loss	>50 dB
Mounting	19" Rack Mount
Dimensions	Width: 8.46" [215 mm]    With Chassis Depth: 7.68" [195 mm]    Width: 17.44" [443 mm] Height: 1.24" [31.5 mm]    Depth: 9.84" [250 mm] Height: 1.73" [44 mm]
Environment	Operating: -20°C to +70°C Storage: -40°C to +85°C
Warranty	Lifetime