STARVIEW International

STARMUX

Starview CWDM Mux/Demux

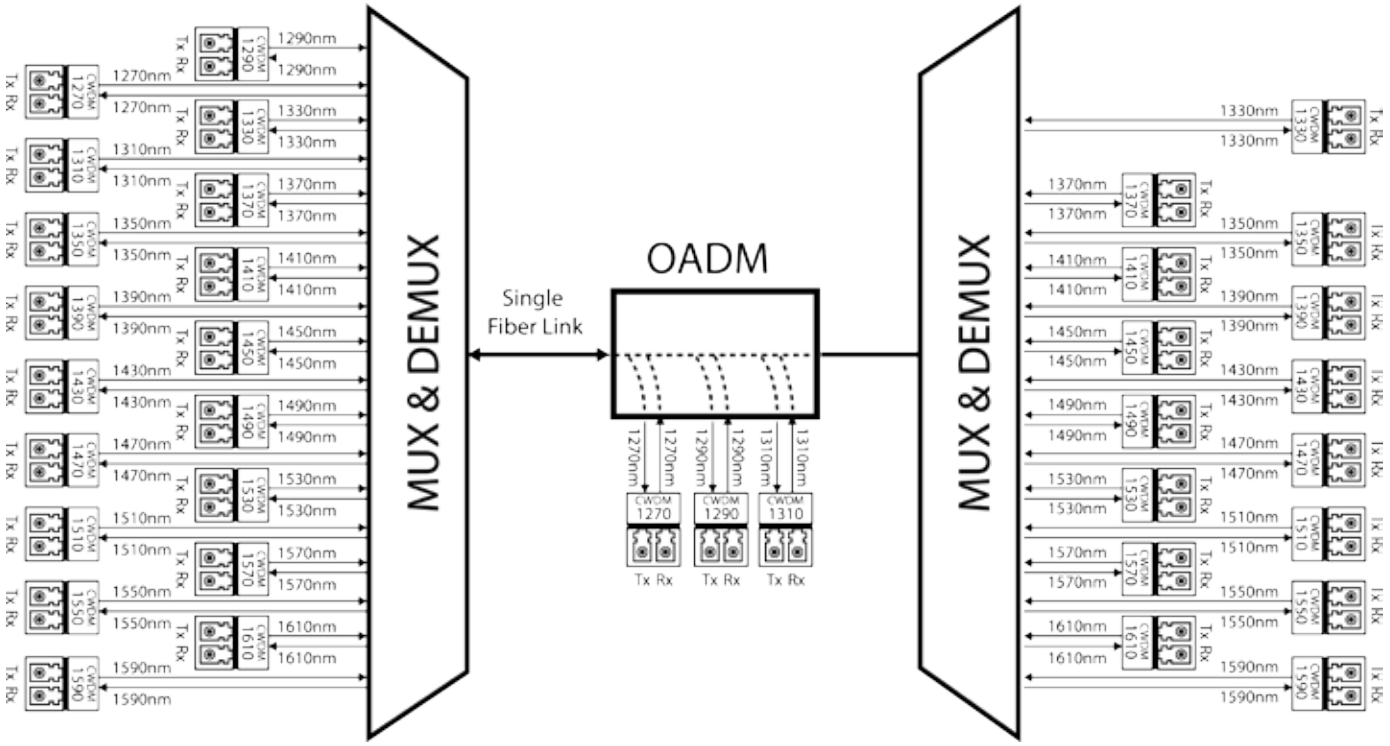
- Cost Effective
- Duplex/ Simplex WAN Fiber connection
- Metallic casing and connectors
- Passive Equipment suitable for outdoor enclosure
- Compact Enclosure
- Low insertion loss
- Maximize Fiber Usage
- Maximum 9 CH CWDM for Rack Mount Enclosure Module
- Maximum 18 CH CWDM for 19” Rack Mount able unit

What is WDM?

- Wavelength Division Multiplexing
- Technique where optical signals with different wavelengths are combined, transmitted together, and separated again. It is mostly used for optical fiber communications to transmit data in several (or even many) channels with slightly different wavelengths
- Widely used to increase capacity on routes with fiber exhaustion
- Inexpensive alternative to installing more fiber or leasing additional fibers

CWDM Mux/ Demux and OADM

CWDM	Mux / Demux	OADM
Abbreviations	Multiplexing and Demultiplexing	Optical Add and Drop Multiplexing
Components	Consists of Optical combiner and splitters	Consists of Optical circulators, combiners and splitters
Topology	Point to Point	Linear Add and Drop
Insertion loss	3.5dB per channel	1.7dB per channel



STARMUX Starview Outdoor CWDM Mux/Demux

STARMUX Outdoor

Features

- Easy installation and maintenance
- Wall and pole mountable
- IP65 enclosure suitable for outdoor use
- Increase bandwidth on existing fiber infrastructure
- Alleviate fiber exhaustion
- Transmit multiple protocols over an existing fiber link (Simplex or Duplex)
- Provide scalable bandwidth of up to 10Gbps per channel
- Plug and Play, no configuration of CWDM components

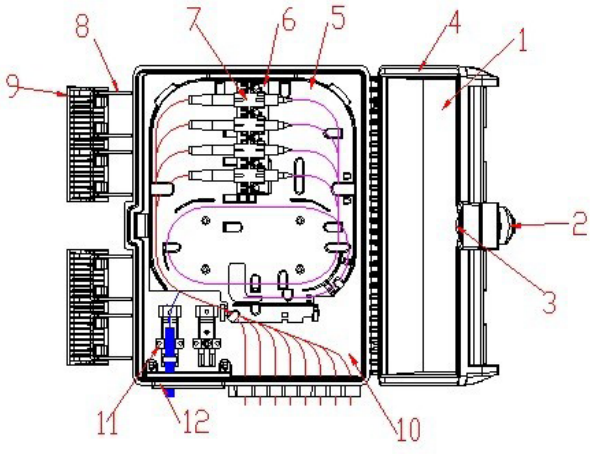
Applications

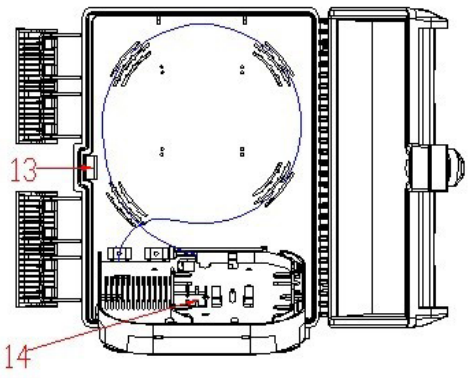
- Telecommunication Networks
- Cross connect or inter-connect
- Telecom: FTTx, Mobile network and transmission

Starview STARMUX Coarse Wavelength Division Multiplexing (CWDM) Outdoor Distribution Box (ODB) consists of Starview CWDM Mux/ Demux module with metallic LC/UPC connectors enclosed in a PC/ ABS enclosure. STARMUX CWDM uses passive technology that allows any protocol to be transported over the fiber link, as long as it is at a specific CWDM wavelength. The STARMUX provides a simple and affordable method to maximize existing fiber capacity with little or no increased cost.

Specifications

Physical Dimension	250mm x 190mm x 72mm
Installation Dimension	130mm x 82mm
Weight	2kg
Colour	White
Operating Temperature	-40°C to 85°C
Operating Humidity	10% to 95% (non-condensing)





No.	Description
1	Front Cover
2	Lock Cover
3	Lock
4	Seal
5	Fiber Flap
6	Fiber Adaptor
7	Fiber Coupler

No.	Description
8	Front Cover lever
9	Front Cover clip
10	Fiber Outlet
11	Fiber cable holder
12	Fiber Inlet
13	Front cover lock mechanism
14	Fiber distribution guide

Ordering Information

SVO - STARMUX - ___ ___ - ___ ___

Manufacturer: Starview Outdoor STARMUX

Type: CWDM MUX/DEMUX

Channel Configuration: 4: 4 Ch. 8: 8 Ch. 9: 9 Ch. 16: 16 Ch. 18: 18 Ch.

Client Ports
427: 4 Ch. 1270 ~ 1330nm
827: 8 Ch. 1270 ~ 1410nm
947: 9 Ch. 1470 ~ 1610nm+1310nm
1627: 16 Ch. 1270 ~ 1610nm -1430nm-1450nm
1827: 18 Ch. 1270 ~ 1610nm

Line Port: S: Simplex Type D: Duplex Type

Connectors: LC: LC/PC SC: SC/PC

Example:

SVO-STARMUX-427-DLC

Starview Outdoor STARMUX wall and pole mountable IP65 enclosure with 4 x CWDM wavelengths 1270/ 1290/ 1310/ 1330nm and 1 x Duplex LC/UPC COM ports, come with front cover lock mechanism