DWDM MUX AND DEMUX (Red 29-36) & (Blue 45-52)1U - 8CH

DWDM MUX AND DEMUX (Red 29-36) & (Blue 45-52)1U RACK WITH 2 LGX BOX 8CH BIDI SINGLE FIBER

DWDM MUX AND DEMUX (Red 29-36) & (Blue 45-52)1U - 8CH

Variants

1U - 8CH

Details

The **8 Channel DWDM MUX / DEMUX (BiDi)** is a high-performance passive optical multiplexing solution designed to transmit multiple optical wavelengths over a single fiber. Built in a standard **19-inch 1U rack-mount chassis**, it combines and separates eight DWDM channels while reducing fiber infrastructure costs.

This passive DWDM system utilizes **ITU-T C-Band DWDM channels** with **Red Channels 29–36** and **Blue Channels 45–52**. It includes **two LGX fiber modules** for convenient installation, cable management, and future network expansion. The solution is ideal for telecom operators, ISPs, enterprise backbone networks, and data centers requiring reliable high-capacity optical transmission.

Channels	**8 CH**
Transmission	**BiDi**
Rack Size	**1U**
LGX Modules	**2 Boxes**

Key Features

? 8 Channel DWDM Multiplexer & Demultiplexer

? Bi-Directional Single Fiber Transmission

? ITU-T Standard DWDM C-Band Channels

? Red Channels 29–36 & Blue Channels 45–52

? Passive Optical Design (No Power Required)

? Standard 19" 1U Rack Mount

? Includes Two LGX Fiber Modules

? Easy Installation & Future Expansion

Technical Specifications

Category	Specification
Product Type	DWDM MUX / DEMUX (BiDi)
Channel Capacity	8 Channels
Channel Group	Red 29–36 / Blue 45–52
ITU Standard	ITU-T DWDM C-Band Grid
Transmission Type	Single Fiber Bi-Directional (BiDi)
Operation	Passive (No Power Required)
Rack Size	19-inch, 1U Rack Mount
LGX Modules	2 × LGX Fiber Adapter Boxes
Fiber Management	Integrated LGX Modular Design
Installation	Standard 19-inch Rack Cabinet

Applications

- DWDM Optical Transport Networks
- ISP Backbone Networks
- Telecom Transmission Systems
- Data Center Interconnection (DCI)

Enterprise Fiber Backbone

Metro & Long-Distance Optical Networks

Note:

This is a passive DWDM multiplexing solution that requires no external power supply. It is designed for high-density optical transmission using ITU-T DWDM wavelengths and is compatible with telecom-grade DWDM SFP, SFP+, QSFP, and other optical transceiver modules operating on the corresponding DWDM channels.

© 2026 | Phone: +977 9851248419 | Email: info@dtechtrading.com | Website: https://demoshop.com. All rights reserved.