

# 100G DWDM N-Channel Multiplexer/Demultiplexer

This high-density DWDM (Dense Wavelength Division Multiplexing) system is designed for 100G data transmission. The N-channel unit is compactly packed in a standard 19-inch, 1U rackmount chassis.



## Overview

### High-Performance 100G DWDM Solution

This 100GHz dense wavelength division multiplexer (DWDM) utilizes advanced thin-film coating technology and non-flux metal bonding micro-optics to ensure reliable optical add and drop capabilities at ITU wavelengths. Designed for high-capacity telecommunication networks, it offers exceptional stability, low insertion loss, and high channel isolation. The unit is engineered for seamless integration into existing infrastructure, providing a robust solution for wavelength routing and fiber optic amplification.

## Technical Specifications

### Key Performance Metrics

**100 G**

Data Rate

### Channel Spacing

100 GHz

### Optical Path Technology

Thin Film Coating, Non-flux Metal Bonding, Epoxy-free

## Features & Applications

### Key Features

- Low Insertion Loss
- Wide pass band
- High Channel Isolation
- High Stability and reliability
- Epoxy-free on Optical Path

### Typical Applications

Channel Add/Drop • DWDM Network • Wavelength Routing • Fiber Optical Amplifier • CATV Fiberoptic System

## Physical Configuration

### Packaging Options

- 19-inch 1U Rackmount Chassis
- ABS Box
- Single Components

### Form Factor

19-inch 1U Rackmount