

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

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Variants

1U - 8CH

Details

This is an **8-channel DWDM (Dense Wavelength Division Multiplexing) multiplexer/demultiplexer** system designed to **combine and separate multiple optical wavelengths** over a **single fiber** using bidirectional (BiDi) transmission. It's packaged in a **standard 1U rack-mount chassis** and includes **two LGX fiber adapter boxes** for clean fiber management and modular installation.

8 DWDM Channels (BiDi): Supports 8 optical wavelengths on one fiber using bidirectional operation.

Red & Blue Wavelength Groups: Channels in two ITU-T grid bands — *Red* (29-36) and *Blue* (45-52) — covering part of the C-band spectrum used for high-capacity optical links.

1U Rack Form Factor: Fits a standard 19" equipment rack with included **2 LGX fiber boxes** for neat fiber organization and easy patching.

Passive Device: Typically operates without power or active electronics, reducing maintenance and increasing reliability (common for DWDM passive modules).

Single-Fiber BiDi: Combines multiplexing and demultiplexing of channels in both directions over a **single optical fiber strand**, saving fiber infrastructure costs.
