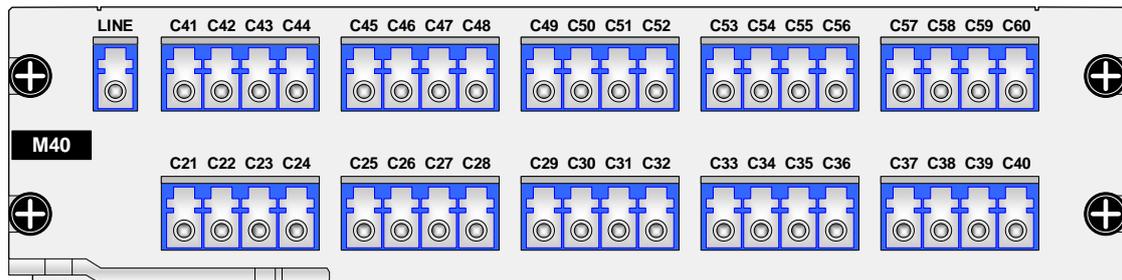


M40: 40 channels multiplexer board

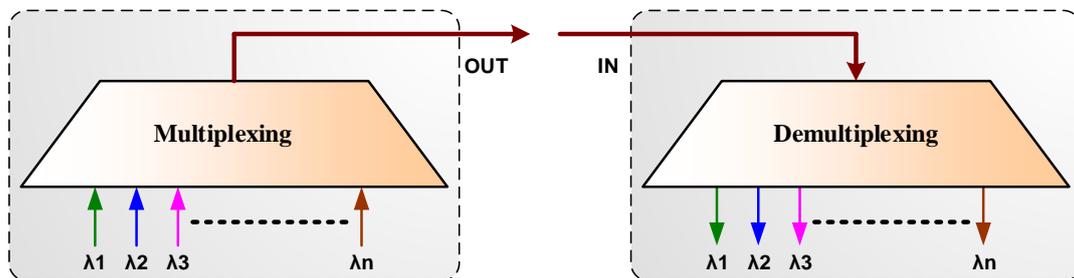
MDU is multiplexer/de-multiplexer board based on WDM technology launched by Sintai Communication Co., Ltd, and the multiplexer board is to combine multiple standard DWDM or CWDM wavelengths at the transmitting end and multiplex them on the same optical fiber for the transmission. The de-multiplexer board is to separate the multiple standard DWDM or CWDM wavelengths which are carried on the single fiber. They are used to transmit optical signals of different wavelengths on the same optical fiber at the same time, which greatly saves the clients' fiber resources. Flexible configuration can be set according to the client's demand. M40 board supports multiplexing for up to 40 DWDM wavelengths.

Product diagram



40 channels multiplexer board

Functional structure



Product specification

Commonly used channel number	1x40
Occupied slot number	2
WDM specifications	DWDM
Production process	Array waveguide grating
Insertion loss of each channel	< 5.5dB
Isolation ratio of adjacent channels	> 25dB
Isolation ratio of non-adjacent channels	> 30dB
Reflection coefficient	< -40dB

Interface type	All interfaces are LC types
Typical power consumption	0 W (passive optical device)
MTBF	> 200000 hours