

# OPTICO Ultra Compact LAN-WDM Module

## TYPE-A P/N: OP-LAN-WDM-A-B-C-D

### 1. Production description

Single Fiber LAN-WDM Mux Demux is commonly used in 5G fronthaul networks, where wavelengths are tightly packed together on the O-band, up to 8 wavelengths in the 800GHz grid (4.5nm). Based on Thin Film Filter (TFF), this LAN-WDM Mux Demux features small size, ultra-low insertion loss, high channel isolation and unmatched reliability. OPTICO's WDM engineer team developed this ultra-compact LWDM module with 4, 6, 8, and 12 channels for six months together with Beijing famous university research institutes. It can also easily reach industrial grade. The WDM series with the smallest size, first launched by OPTICO.

### 2. Features

- Based on high quality TFF technology
- Nearly at the zero-dispersion wavelength
- Low insertion loss
- Industrial temperature -40 °C~+ 85 °C
- Passive, no electric power required (MTBF ca. 500 years)
- Following 100Gbps IEEE 802.3ba Standard
- Combines/separates 4 channels with a LAN WDM spacing

### 3. Applications

- Optical Add/Drop Multiplexing
- Metro networks



UC-LAN-WDM Module

