

## Features

- 8-Channel communication on 2 Multimode fibers
- Housed in 1-RMU (1.75 in height) shelf
- Front or center rack mountable in 19" or 23" racks
- Built-in Mux and Demux in one unit
- Simple to install, requires no configuration or maintenance
- High reliability, MTBF > 100 yrs
- Telcordia GR-1209 and GR-1221 qualified
- Epoxy-free in optical path
- Warranty 5 years
- Completely passive
- no power required
- no cooling required,
- environmentally friendly
- Low insertion loss - high isolation
- Disassembles easily for cleaning
- Fully transparent at all data rates and protocols
- Accepts any data rate and any protocol on any port up to 10 Gbps, also 40 Gbps (DPSK, DQPSK) and 100 Gbps (DP-QPSK)

## Applications

- Routers and Switches with fiber connections
- SONET OC-3 to OC-192
- SDH STM-1 to STM-64
- GigE, 10GigE
- ATM
- SAN, Fiber Channel

## Compatibility

- Compatible with all standard lightwave protocol including, Cisco, Nortel, Alcatel, Ciena, Fujitsu, MRV etc.
- Compatible with 62.5/125 or 50/125 multimode fiber.

## Specifications

### Mux Demux pair

|   |   |
|---|---|
| Center wavelengths                          | 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611 nm |
| Channel bandwidth                           | +/- 6.5 nm  |
| Insertion loss matched mux/demux pair (max) | 4.0 dB  |
| Insertion loss single unit (max)            | 3.5 dB  |
| Isolation (min)                             | 28.0 dB   |
| Polarization dependent loss (max)           | 0.2 dB  |
| Directivity (min)                           | 50.0 dB   |
| Ripple in passband (max)                    | 0.5 dB  |
| Operating temperature                       | -5 to +70 °C                                      |
| Connectors                                  | Dual LC or SC                                     |
| List price                                  |   |
| Product code                                | TCWM-08MD-02-20-1471-1611-LCU-MM                  |



Figure 1: Photo of 8-Channel Mux/Demux Multimode CWDM

For more information, call a Customer Representative at 1.888.250.1562  
All prices listed are in US Dollars and are subject to change without notice.