

## Features

- Housed in 1-RMU (1.75 in height) shelf
- Rack Mountable in 19" or 23" racks
- 4-Channel communication over 2 network fibers (dual unit) or 2-channel communication over 1 fiber (single unit)
- Dual unit has 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
- Completely passive
- no power required
- no cooling required,
- environmentally friendly
- Low insertion loss - high isolation
- Front panel pulls out for easily 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)
- Available with LC, SC or FC connectors
- Warranty 5 years

## Applications

- Any equipment using ITU-T CWDM optics
- Routers and Switches with fiber connections
- SONET, SDH
- GigE, 10 GigE, 40 GigE
- GBIC, SFP, XFP, Xenpak
- SAN, Fibre Channel
- Ethernet over fiber
- ATM over fiber

## Compatibility

- Fully compatible with all ITU-T CWDM optics
- Compatible with lightwave equipment including, Cisco, Nortel, Alcatel, Ciena, Fujitsu, MRV etc.

## Specifications

### Mux/Demux pair

Standard Channels (custom available)	1551, 1571, 1591, 1611 nm
Channel Bandwidth	+/- 6.5 nm
Insertion Loss Mux/Demux pair (max)	2.4 dB
Isolation (min)	28.0 dB
Polarization Dependent Loss (max)	0.1 dB
Directivity (min)	50.0 dB
Ripple in Passband (max)	0.5 dB
Operating Temperature	-30 to +70 °C (-5 to +70 °C connecting)
Connectors	LC, SC, FC
Single unit Product Code	TCWM-04W-01-20-1531-1591-LCU
Dual unit Product Code	TCWM-04W-02-20-1531-1591-LCU

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.