

Lightem 16Ch CWDM Mux 1290-1430 & 1470-1610nm, duplex traffic 2 fibers with mon ports

Lightem 16Ch CWDM Mux is designed to multiplex 16Ch CWDM 1290-1430 & 1470-1610nm duplex traffic into two fibers. Network performance can be monitor without interruption of traffic through the monitor port. It is packaged in a 19" 1U unit. Together with our CWDM Transceiver, the bandwidth of the fiber can be utilized in a cost effective way



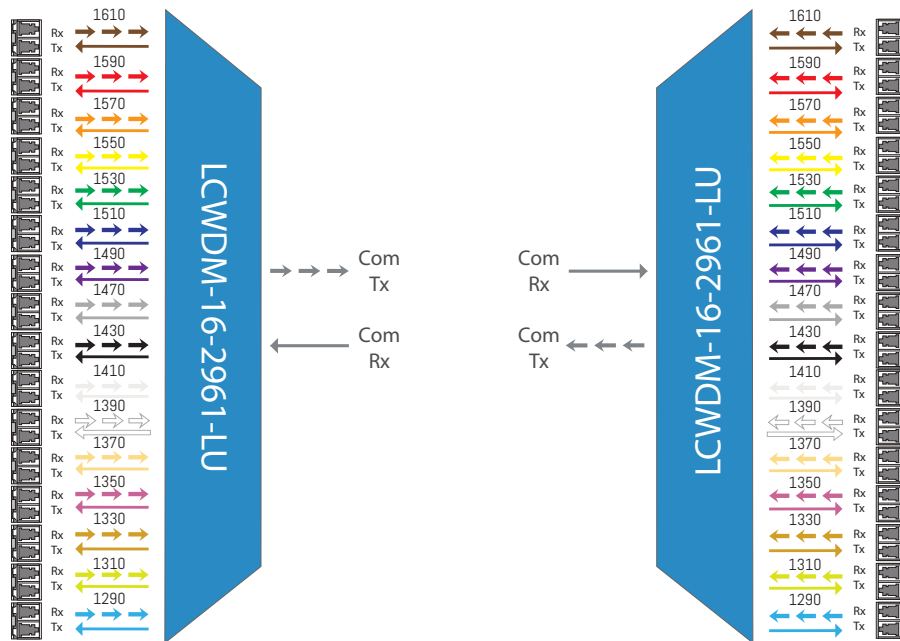
FEATURES

- Coarse WDM ITUT G.6924
- 1290-1430nm & 1470-1610nm
- Based on thin film optics with epoxy free optical path
- Protocol transparent, support 1G, 10G, 100G etc
- Package in 19" 1U Rackmount unit with 36x LC ports
- Custom designed with optional features

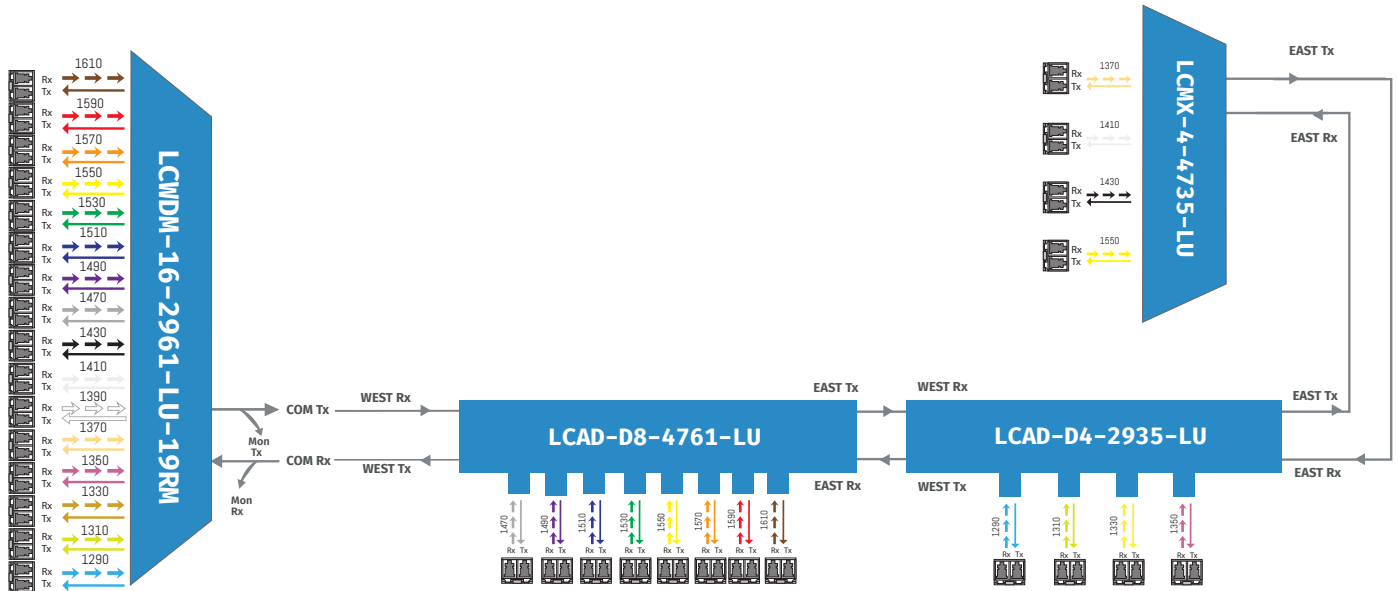
SPECIFICATIONS

Parameter	Unit	Value
<i>Insertion loss IL</i>	dB	Max: 3.6 Typ: 3.4
<i>Mux+Demux IL</i>	dB	Max: 4.9 Typ: 4.7
<i>Center Wavelength</i>	nm	1290-1430 & 1470-1610nm or custom
<i>Monitor Port</i>	%	2
<i>Channel Spacing</i>	nm	20
<i>Channel Flatness</i>	dB	< 0.4
<i>Channel Bandwidth</i>	nm	+/- 6.5
<i>Channel Uniformity</i>	dB	< 1.0
<i>Adjacent channel isolation</i>	dB	> 30
<i>Non adjacent channel isolation</i>	dB	> 40
<i>Directivity</i>	dB	> 55
<i>Return Loss</i>	dB	> 50
<i>PDL</i>	dB	< 0.15
<i>PMD</i>	ps	< 0.1
<i>Wavelength thermal stability</i>	nm/°C	< 0.003
<i>Insertion Loss thermal stability</i>	nm/°C	< 0.005
<i>Power Handling</i>	mW	< 500
<i>Operating temperature</i>	°C	0 ~ +70
<i>Storage temperature</i>	°C	-40 ~ +85
<i>Packaging</i>		19" 1U Rackmount

FUNCTIONAL DIAGRAM



APPLICATION DIAGRAM



ORDERING INFORMATION

P/N	Description
LCMRM-16-2961-LU*	Lightem 16Ch CWDM Mux 1290-1430 & 1470-1610nm, duplex traffic 2 fibers with mon ports, 19" 1U Rackmount package

*customized configuration is available upon request