

Lightem 8Ch CWDM Mux 1470-1610nm + 1310nm WB (Upgrade) port, duplex traffic 2 fibers

Lightem 8+1Ch CWDM Mux is designed to multiplex 8Ch CWDM 1470-1610nm & CWDM Upgrade (1310WB) into two fibers. The CWDM Upgrade (1310WB) port can be used to multiplex lower band CWDM (1270-1450nm) with excellent insertion loss and isolation characteristics. It is packaged in a L3 module (Other package is available upon request); with our 19" 1U chassis (P/N: L19-3L3), a 1U rack space can accommodate up to 3 modules. Together with our CWDM Transceiver, the bandwidth of the fiber can be utilized in a cost effective way



FEATURES

- Coarse WDM ITUT G.6924
- 1470-1610nm & High Isolation 1310WB/Upgrade
- Based on thin film optics with epoxy free optical path
- Protocol transparent, support 1G, 10G, 100G etc
- Package in L3 modules with 20x LC ports
- 19" 1U Rackmount system supporting Max 3x L3 Modules
- Custom designed with optional features

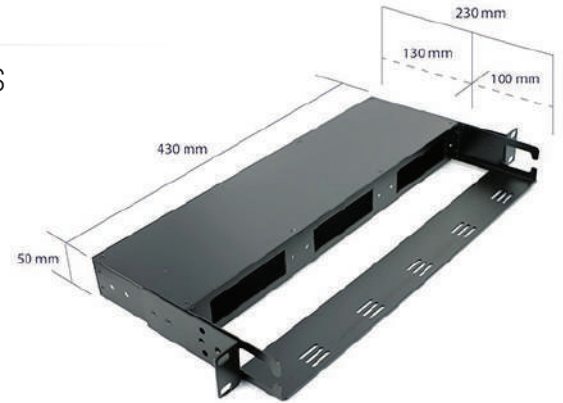
SPECIFICATIONS

Parameter	Unit	Value
<i>Insertion loss IL</i>	dB	Max: 3.2 Typ: 2.9
<i>Mux+Demux IL</i>	dB	Max: 4.2 Typ: 3.8
<i>Center Wavelength</i>	nm	1471-1611 or custom
<i>1310WB / Upgrade port IL</i>	dB	Max: 1.1 Typ: 0.8
<i>1310WB / Upgrade port bandwidth</i>	nm	1260-1457
<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>Adajacent channel isolation</i>	dB	> 30
<i>Non adajacent 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>		L3 Module
<i>Dimension</i>	mm	29 x 130 x 160

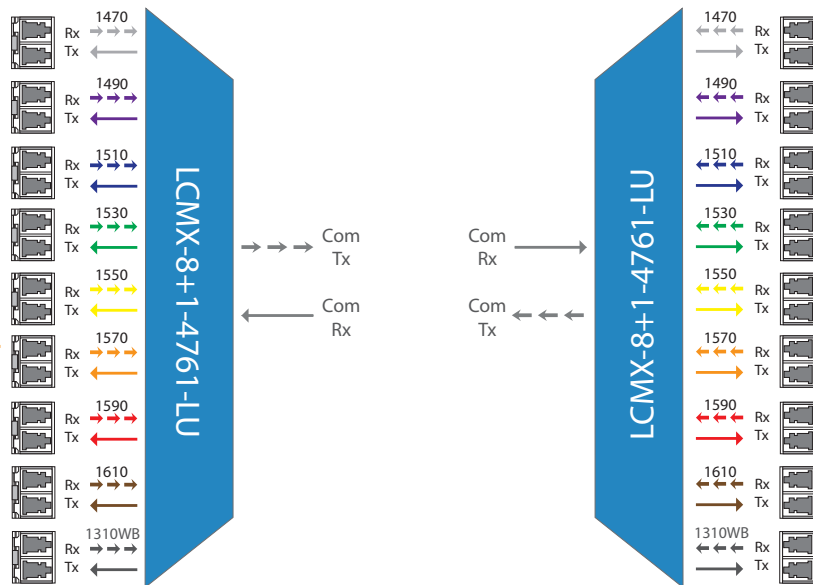
TELECOM/DATACOM SYSTEM

ACCESSORY - L191U-3S

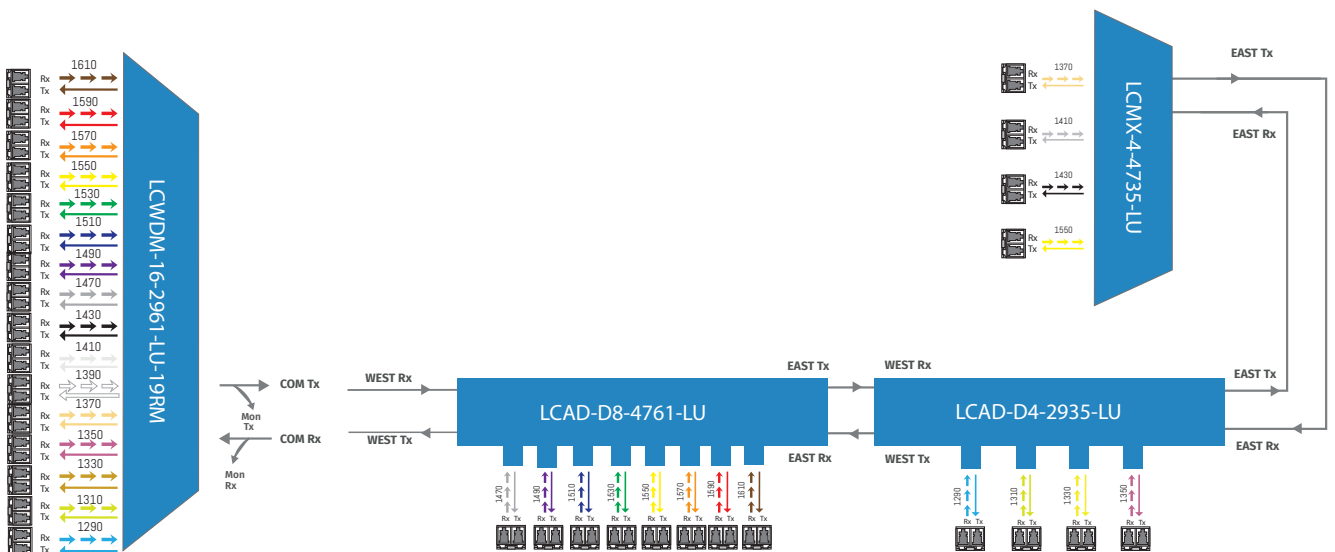
LIGHTEM 19" 1U RACKMOUNT CHASSIS, SUPPORT MAX 3X L3 MODULES



FUNCTIONAL DIAGRAM



APPLICATION DIAGRAM



ORDERING INFORMATION

*customized configuration is available upon request

P/N	Description
LCMX-8+1-4761-LU*	Lightem 8Ch CWDM Mux 1470-1610nm + 1310nm WB (Upgrade) port, duplex traffic 2 fibers, L3 module package
Accessory	
L191U-3S	LIGHTEM 19" 1U Rackmount Chassis, support max 3x L3 modules