

Lightem 4Ch CWDM Mux 1510-1570nm + 1310nm WB (Upgrade) port, duplex traffic 2 fibers

Lightem 4+1Ch CWDM Mux is designed to multiplex 4Ch CWDM 1510-1570nm & CWDM Upgrade (1310WB) into two fibers. The CWDM Upgrade (1310WB) port can be used to multiplex other CWDM channel (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
- 1510-1570nm & 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 12x LC ports
- 19" 1U Rackmount system supporting Max 3x L3 Modules
- Custom designed with optional features

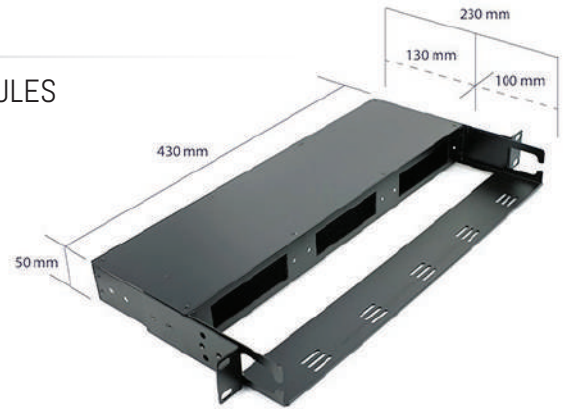
SPECIFICATIONS

Parameter	Unit	Value
Insertion loss IL	dB	Max: 2.0 Typ: 1.8
Mux+Demux IL	dB	Max: 2.8 Typ: 2.6
Center Wavelength	nm	1511-1571 or custom
1310WB / Upgrade port IL	dB	Max: 1.1 Typ: 0.8
1310WB / Upgrade port bandwidth	nm	1260-1457nm
Channel Spacing	nm	20
Channel Flatness	dB	< 0.4
Channel Bandwidth	nm	+/- 6.5
Channel Uniformity	dB	< 1.0
Adjacent channel isolation	dB	> 30
Non adjacent channel isolation	dB	> 40
Directivity	dB	> 55
Return Loss	dB	> 50
PDL	dB	< 0.15
PMD	ps	< 0.1
Wavelength thermal stability	nm/°C	< 0.003
Insertion Loss thermal stability	nm/°C	< 0.005
Power Handling	mW	< 500
Operating temperature	°C	0 ~ +70
Storage temperature	°C	-40 ~ +85
Packaging		L3 Module
Dimension	mm	29 x 130 x 160

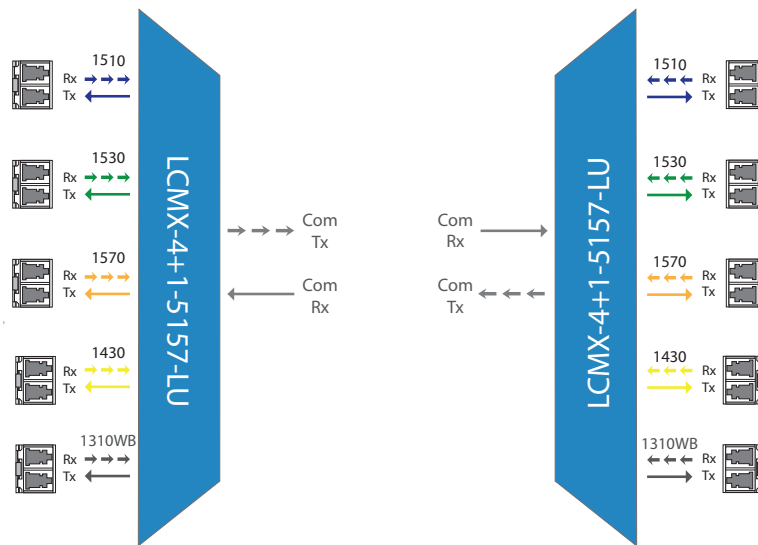
TELECOM/DATACOM SYSTEM

ACCESSORY - L191U-3S

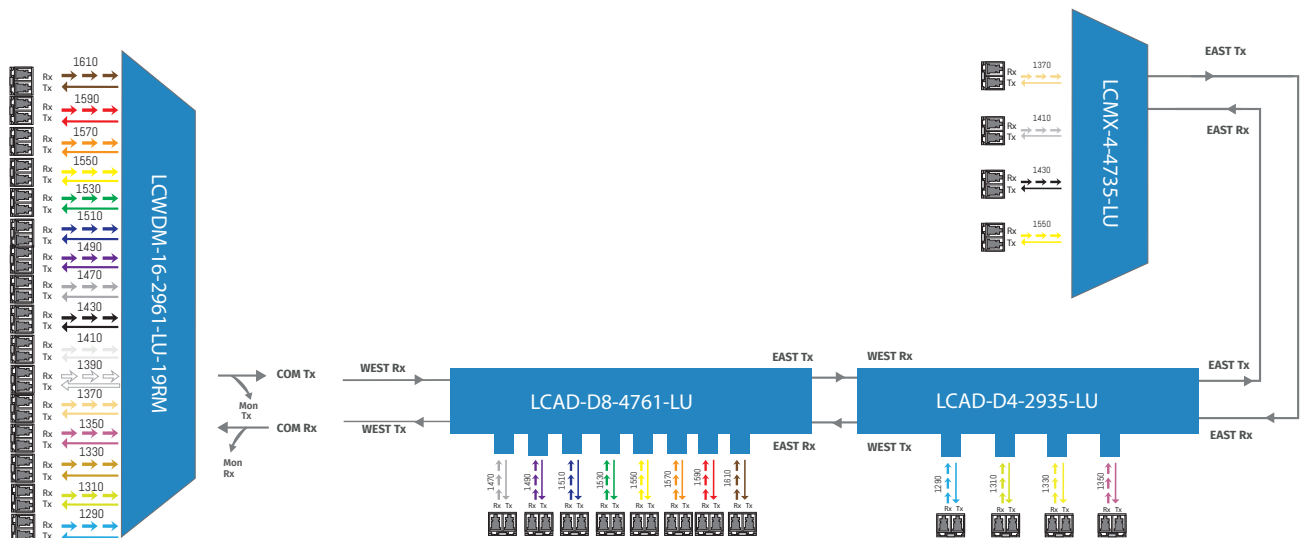
LIGHTEM 19" 1U RACKMOUNT CHASSIS, SUPPORT MAX 3X L3 MODULES



FUNCTIONAL DIAGRAM



APPLICATION DIAGRAM



ORDERING INFORMATION

*customized configuration is available upon request

P/N	Description
LCMX-4+1-5157-LU*	Lightem 4Ch CWDM Mux 1510-1570nm + 1310nm WB (Upgrade) port, duplex traffic 2 fibers, L3 module package
Accessory	
L191U-3S	LIGHTEM 19" 1U Rackmount Chassis, support max 3x L3 modules