

Features:

- 8 Channel Dual Fiber DWDM Mux/Demux 19" Rackmount + OTDR + Amp Ports

- Channel Wavelengths: DWDM CH. 25 - CH. 32 + Express



- Channel Spacing: 100GHz

- RoHS compliant

- Reliability: Telcordia GR-1209,GR-1221

- OTDR Operating Wavelength: 1625nm

- Filter Type: G657A1

- Maximum Optical Power: 300mW

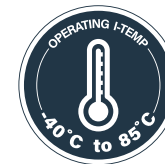
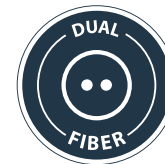
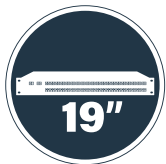
- Connector Type - All Ports: LC/UPC

- Operating Temperature: -40 to 85°C

- Storage Temperature: -40 to 85°C

- Dimensions: 250mm x 440mm x 44mm

- Faceplate: 482.6mm x 44mm



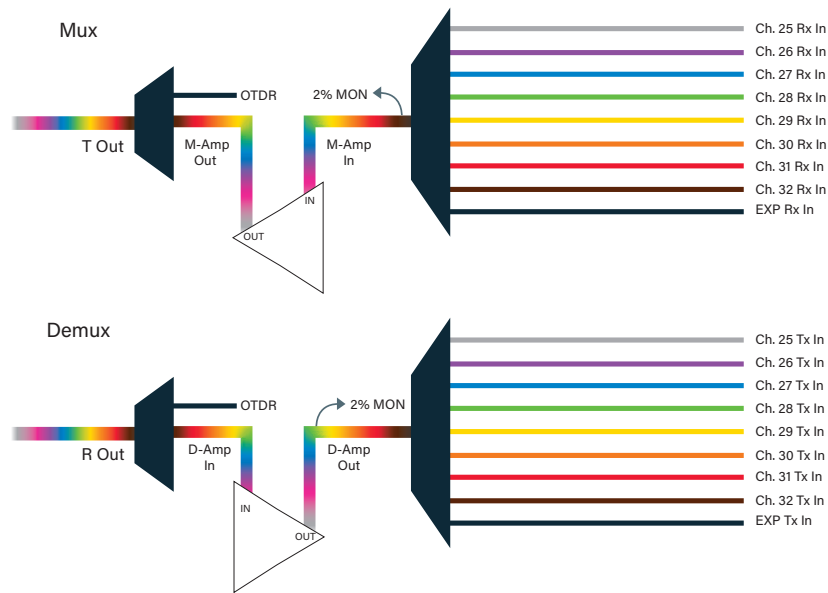
1. Optical Requirements

Parameter	Value
Passband, DWDM Channel Ports (@-0.5 dB)	ITU ≥ 25GHz
Passband, DWDM Channel Ports (@-3.0 dB)	ITU ≥ 60GHz
Passband, Express Port (Min.)	1500nm - 1600nm (Excludes: CH. 25 - CH. 32)
Passband, OTDR Port	Tx 1600nm - 1670nm, Rx 1260nm - 1580nm
Passband Ripple (Max.)	≤ 0.5dB
Isolation, Adjacent Channel - DWDM (Min.)	≥ 30dB
Isolation, Non-Adjacent Channel - DWDM (Min.)	≥ 40dB
Isolation, Express Channel (Min.)	≥ 12dB
Return Loss - All Ports (Min., Including Connectors)	≥ 45dB
Directivity - DWDM Ports (Min.)	≥ 50dB
Polarization Dependent Loss (Max.)	≤ 0.2dB
Polarization Mode Dispersion (Max.)	≤ 0.2ps

2. Insertion Loss

Parameter	Value
DWDM Channel Insertion Loss (Typ.)	3.6dB
DWDM Channel Insertion Loss (Max.)	≤ 3.8dB
OTDR Port Insertion Loss, 1625 Pass Port (Max., Including Connectors)	≤ 1.0dB
OTDR Port Insertion Loss, 1625 Reflect Port (Max., Including Connectors)	0.8dB
Express Insertion Loss (Typ., Incl. Connectors)	3.3dB
Express Insertion Loss (Max., Incl. Connectors)	≤ 3.5dB
MON Port Insertion Loss	21.8dB Mux/19.0dB Demux

3. Network Diagram

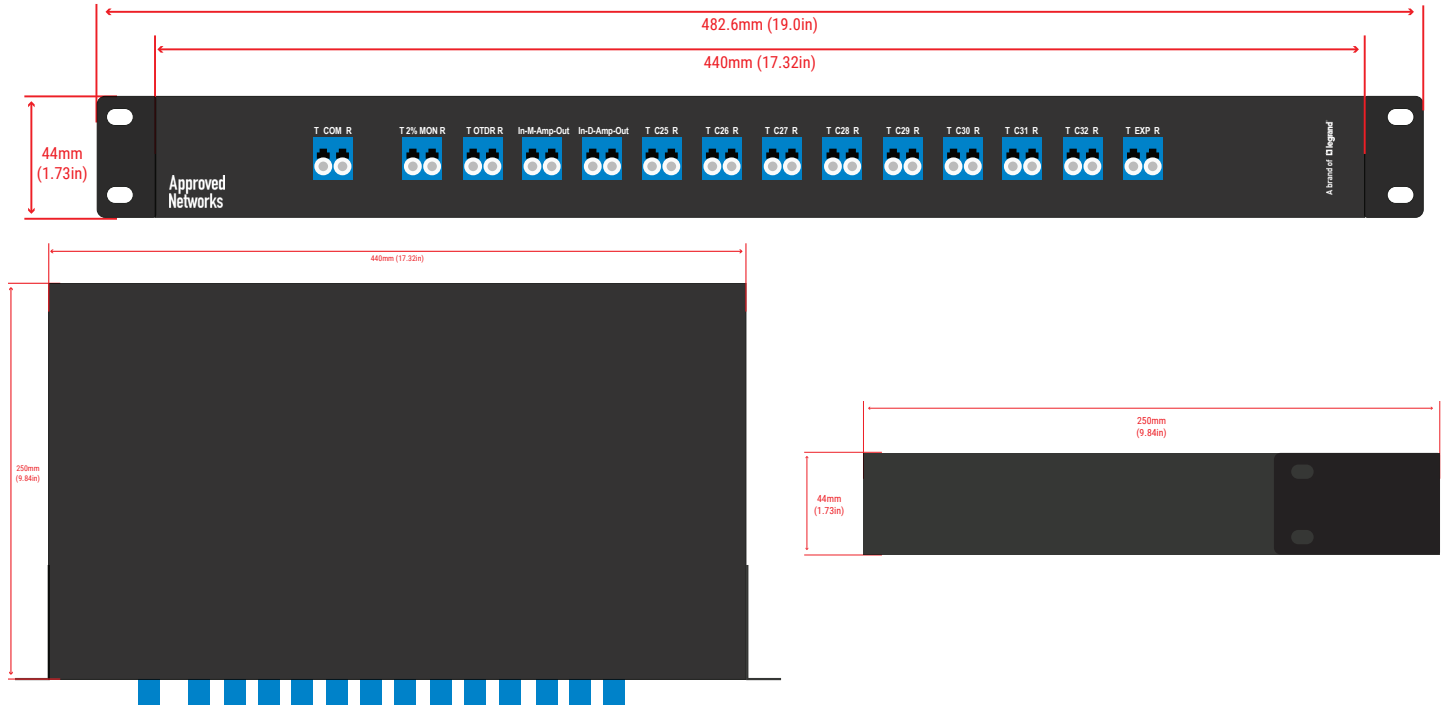


NOTE: When an amplifier is not in use, please use the included loopback plugs in the Amp In/Out ports.



Channel	Mux		Demux	
	Typ. (dB)	Max. (dB)	Typ. (dB)	Max. (dB)
Ch. 25	2.0	2.2	3.6	3.8
Ch. 26	2.3	2.5	3.4	3.6
Ch. 27	2.6	2.8	3.2	3.4
Ch. 28	2.8	3.0	3.0	3.2
Ch. 29	3.0	3.2	2.8	3.0
Ch. 30	3.2	3.4	2.6	2.8
Ch. 31	3.4	3.6	2.3	2.5
Ch. 32	3.6	3.8	2.0	2.2
EXP	3.3	3.5	3.3	3.5

4. Mechanical Diagram



5. Ordering Information

Root SKU	Part Number	Description
D1C08LC250130B0	ZS-DWDM-MDAO-100-8-L-8-1-25-R	DWDM M/D AMP Ports 1625 OTDR, 100GHz, 8 CH. Skip 0, LC/UPC, CH25 Start, 2% MON, STD EXP Port, 19" Rack

6. Contact Information

Tel: 800.590.9535

Web: <http://www.approvednetworks.com>