

XTG SERIES

CO-D40EV

A Stand-alone 40-Channel DWDM MDU

The **CO-D40EV** is part of the Infinera XTG Series of passive optical filters. The CO-D40EV is a fully passive 40-channel dense wavelength division multiplexing (DWDM) mux/demux module (MDU) that fits into one rack unit (RU).

CO-D40EV works on dual fiber, allowing up to 40 bidirectional DWDM channels over one fiber pair.

CO-D40EV is compatible with any ITU-compliant DWDM transmission equipment. Each channel is 100 GHz spaced between 195.80 and 191.90 THz.

Monitor ports are available on both incoming and outgoing line signals, which gives the flexibility to troubleshoot previously commissioned links without affecting traffic.

The CO-D40EV has an extended operating temperature range and can be placed in unregulated temperature environments, such as street cabinets.

Applications

CO-D40EV can effectively be used in fiber exhaust and storage area network (SAN) applications as a compact and price-competitive solution for combining new services such as SDH/SONET, Ethernet or SAN on a fiber pair.

The CO-D40EV is fully compatible and interoperable with the Infinera XTM Series and thereby provides network operators with a simple upgrade path to fully active DWDM solutions.



Key benefits:

- High port density
- Compatible with any ITU-compliant DWDM transmission equipment
- 40 bidirectional ITU channels in C-band
- Monitor ports
- Can be mounted in both 19 and 23-inch racks
- Built-in fiber management
- Low cost per channel
- Extended operating temperature

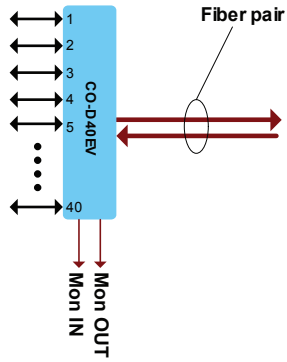


Fig 1. 40-channel DWDM Mux/Demux.

Specifications

Max Insertion Loss	6 dB (Worst case for EOL and complete temperature range) 4 dB (BOL in room temperature)
Link Loss	12 dB (Worst case for EOL and complete temperature range) 8 dB (BOL in room temperature)
Dimensions	Height: 44.45 mm (1.75 in) Depth: 240 mm (9.5 in) Width: 435 mm (17.1 in)
Operating Temperature	-5 to 65 °C (23 to 149° F)
Connector Type	LC

Specifications and Features Are Subject to Change

Product-Wavelength Mapping

Below tables outline parts of the XTG Series' range of DWDM optical filters and their associated wavelengths. Please note that this is not a complete list of available XTG Series filters.

DWDM (40 Channels)																																										
Wavelengths	1562.23	1561.42	1560.61	1559.79	1558.98	1558.17	1557.36	1556.55	1555.75	1554.94	1554.13	1553.33	1552.52	1551.72	1550.92	1550.12	1549.32	1548.51	1547.72	1546.92	1546.12	1545.32	1544.53	1543.73	1542.94	1542.14	1541.35	1540.56	1539.77	1538.98	1538.19	1537.40	1536.61	1535.82	1535.04	1534.25	1533.47	1532.68	1531.90	1531.12	1310	
Frequency	191.9	192.0	192.1	192.2	192.3	192.4	192.5	192.6	192.7	192.8	192.9	193.0	193.1	193.2	193.3	193.4	193.5	193.6	193.7	193.8	193.9	194.0	194.1	194.2	194.3	194.4	194.5	194.6	194.7	194.8	194.9	195.0	195.1	195.2	195.3	195.4	195.5	195.6	195.7	195.8	1531.12	
DWDM Filters																																										
OADM: CO-D1CH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
OADM: CO-D2CH	2 Ch		2 Ch		2 Ch		2 Ch		2 Ch		2 Ch		2 Ch		2 Ch		2 Ch		2 Ch		2 Ch		2 Ch		2 Ch		2 Ch		2 Ch		2 Ch		2 Ch		2 Ch		2 Ch		2 Ch		2 Ch	
OADM: CO-D4CH	4 Ch				4 Ch				4 Ch				4 Ch				4 Ch				4 Ch				4 Ch				4 Ch				4 Ch									
BSU: CO-BSU	Use upgrade port 1				Use upgrade port 2				Use upgrade port 3				Use upgrade port 4				Use upgrade port 5																									
MDU: CO-D951-958 T																	8 Ch																									
MDU: CO-D943-950 T													8 Ch																													
MDU: CO-D935-942 T									8 Ch																																	
MDU: CO-D927-934 T									8 Ch																																	
MDU: CO-D919-926 T	8 Ch																																									
MDU: CO-D951-958	Use upgrade port 1																8 Ch																									
MDU: CO-D943-950	Use upgrade port 1												8 Ch				Use upgrade port 1																									
MDU: CO-D935-942	Use upgrade port 1								8 Ch				Use upgrade port 1																													
MDU: CO-D927-934	Use upgrade port 1				8 Ch				Use upgrade port 1																																	
MDU: CO-D919-926	8 Ch				Use upgrade port 1																																					
MDU: CO-D40EV	40 Ch																																									
MDU: CO-D40EV-E	40 Ch																																									

 Support  Support via upgrade port

Single Fiber DWDM (20 Channels)																				
Frequency	191.9/192.0	192.1/192.2	192.3/192.4	192.5/192.6	192.7/192.8	192.9/193.0	193.1/193.2	193.3/193.4	193.5/193.6	193.7/193.8	193.9/194.0	194.1/194.2	194.3/194.4	194.5/194.6	194.7/194.8	194.9/195.0	195.1/195.2	195.3/195.4	195.5/195.6	195.7/195.8
DWDM Filters																				
OADM: CO-DSF2	2 Ch		2 Ch		2 Ch		2 Ch		2 Ch		2 Ch		2 Ch		2 Ch		2 Ch		2 Ch	
OADM: CO-DSF4	4 Ch				4 Ch				4 Ch				4 Ch				4 Ch			

Global Headquarters
140 Caspian Court
Sunnyvale, CA 94089
USA
Tel: 1 408 572 5200
Fax: 1 408 572 5454
www.infinera.com

US Sales Contacts
sales-am@infinera.com

Asia and Pacific Rim
Infinera Asia Limited
8th floor
Samsung Hub
3 Church Street
Singapore 049483
Tel: +65 6408 3320
sales-apac@infinera.com

Europe, Middle East, Africa
Infinera Limited
125 Finsbury Pavement
London EC2A 1NQ,
United Kingdom
Tel: +44 207 065 1340
sales-emea@infinera.com

Customer Service and Technical Support
North America
Tel: 877 INF 5288
Outside North America
Tel: 1 408 572 5288
techsupport@infinera.com

