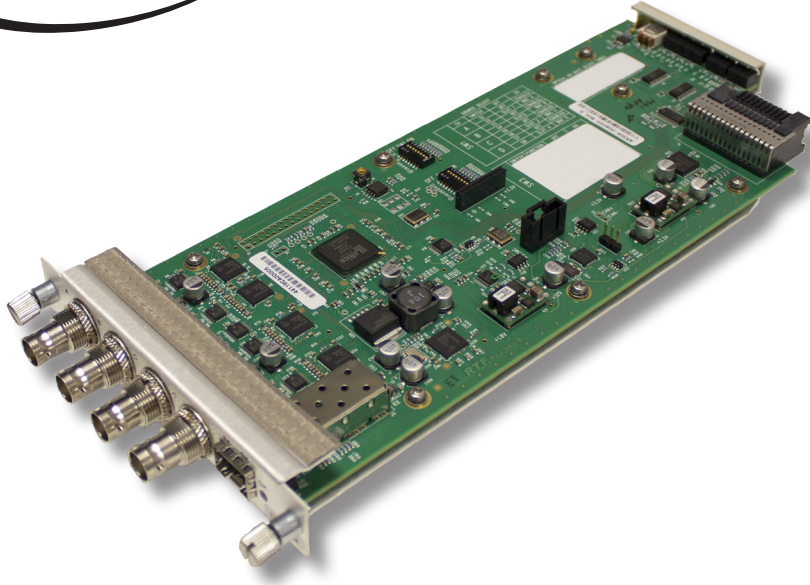




DigiLink DLC274 - 270Mb/s Digital Video 4-to-1 TDM Multiplexer with Optical Transmitter/Receiver/Repeater



The DLC274 utilizes Time Division Multiplexing (TDM) to combine four independent 270Mb/s video signals into one optical channel.

The DLC274M and DLC274D provide a space efficient and cost-effective method of transporting up to four 270Mb/s digital video services over a single optical wavelength. Services can be any combination of 270Mb/s video signals including SDI, SDTI, and DVB-ASI. Optical regeneration or repeating is accomplished using the DLC274D

which includes drop and continue capabilities, DLC103A, DLC300, or any other system capable of repeating a 1.485Gb/s signal. Using industry standard 1310nm, 1550nm, CWDM, or DWDM Small Form-Factor Pluggable (SFP) optics the DLC274 enables transport of up to 160 270Mb/s circuits over a single fiber.

FEATURES

Single slot card set

Transport four 270Mb/s video circuits on a single optical wavelength

- Support any combination of:
 - SD-SDI (SMPTE 259M-C, ITU 656)
 - SDTI (SMPTE 305M)
 - DVB-ASI
 - Other 270Mb/s services
- Use with DLC170 for composite analog transport
- Full reclocking removes jitter from SDI

Industry-standard 1.485Mb/s output

Space efficient

- Utilizes one slot in the DigiLink chassis
- Transports up to 16 video circuits per rack unit

Externally accessible SFP transceiver optics

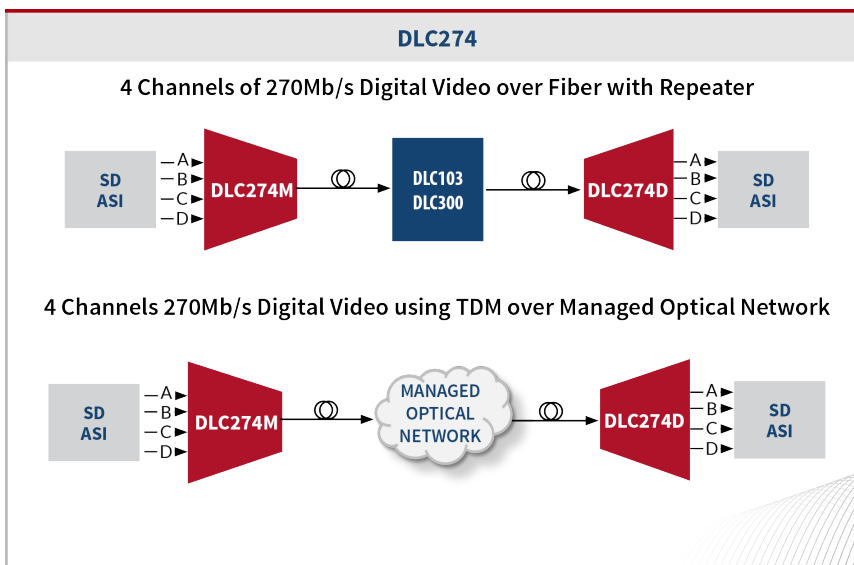
- Optical budget to 33dB
- WDM (1310nm, 1550nm)
- CWDM ITU G.694.2 (Channels 27-61)
- DWDM ITU G.694.1 (Channels 21-60)

Multiple monitoring options

- Switch selectable front panel monitor of individual channels (mini 75 Ohm SMB)
- Front and rear panel status LEDs
 - Loss of video (individual channels)
 - Loss of optical input
 - Laser (SFP) fail

Remote management via DigiLink Manager

- No external software required
- HTTP or SNMPv2
- Monitor
- Configure
- Upgrade firmware



SPECIFICATIONS

Environmental

Operating temperature	0 to 50°C
Ambient storage temperature	-40 to 80°C
Relative humidity	10 to 95% (non-condensing)
Power dissipation	<7 Watts

Physical

Dimensions	0.8" x 5" x 10.8"
	1 slot in chassis

Optical Interface

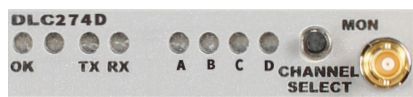
SFP	See SFP Specification
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Electrical Interface

270Mb/s signal formats	SD-SDI (SMPTE 259M-C, ITU 656) SDTI (SMPTE 305M) DVB-ASI Others 270Mb/s services (+100ppm)
Signal polarity	Non Inverting
Channels	4
Connectors	
Input (4)	BNC 75 Ohm (DLC274M)
Output (4)	BNC 75 Ohm (DLC274D)
Monitor	mini 75 Ohm SMB
Return loss	>15 dB, 5-270 MHz

Regulatory Conformance

Compliance:	Certified NEBS Level 3, CSA 60950, EN60950, EN55022, FCC Part 15 (Class A), CISPR 22
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Front panel monitoring and status displays



Rear panel includes four BNC electrical connections and SFP transceiver cage

AR206-008020-800_N



UPDATED 11/04/2016

All specifications subject to change without notice. ©2016



Schedule
Contract GS-03F-016CA

Ordering Information

DLC274 Function Module

Model	Description	Part #
DLC274M	270Mb/s SDI/ASI video 4-to-1 TDM multiplexer	390-008020-00
DLC274D	270Mb/s SDI/ASI video 1-to-4 TDM de-multiplexer	390-008030-00

SFP Options See SFP/SFP+/XFP compatibility chart

Monitor Cable

Model	Description	Part #
DL100MC-72	Monitor cable, mini 75 Ohm SMB to BNC, 72"L	396-001001-00

Sales



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