



DigiLink SFP/SFP+/XFP Options



DigiLink function modules feature externally accessible, removable optical and electrical I/Os.

Optical models function as both transmitter and receiver and are typically compatible across multiple modules simplifying the purchasing, sparing, and deployment process.

Compatible with numerous third party electrical small form pluggable products provides additional flexibility in designing with DigiLink.

FEATURES

Industry standard SFP, SFP+, and XFP transceivers transmit and receive in one flexible unit

Formats supported:

- 2.970 Gb/s 3G-SDI (SMPTE 424M)
- 1.485 Gb/s HD-SDI (SMPTE 292)
 - SD-SDI (SMPTE 259M-C ITU 656)
 - SDTI (SMPTE 305M)
 - DVB-ASI
- Composite analog video & audio (NTSC, PAL)
- 19.39 Mb/s ATSC (SMPTE 310M)
- 10/100/1000/10000 Ethernet

Industry standard optical wavelengths:

- 1310 nm, 1550 nm
- CWDM (ITU G.694.2)
- DWDM (ITU G.694.1)

Up to 33 dB loss budget

LC/PC optical connectors

Electrical Options

- RJ45, HD-BNC, HDMI

SFP OPTICAL OPTIONS

Specifications	DLS31VX3G-11	DLS31VX3G-30	DLS55VX3G-30	DLSCxxVX3G-28	DLSWxxHX-33	DLSM85-08
PART#	393-051310-11	393-051310-30	393-051550-30	393-06xxxx-28	393-240033-xx	393-100850-08
Optical budget (dB)	11	30	30	28	33	8
Type	WDM	WDM	WDM	CWDM	DWDM	Multi-mode
Maximum bit-rate (Gb/s)	3	3	3	3	3	1.5
Transmitter						
Wavelength (nm)	1310 ±30	1310 ±30	1550 ±40	ITU G.694.2 standard 1271 to 1611 ±6.5	ITU-T G.694.1 standard channels 21 to 60	850 +10, -20
Optical output power (min dBm)	-7	2	2	0	4	-9.5
Optical output power (max dBm)	-2	5	5	4	7	-3
Spectral width (nm)	3	1	1	1	0.4	.85
Dispersion penalty	-	-	1 dB @ 80 km	2 dB @ 80 km	1 dB @ 80 km	-
Receiver						
Receiver sensitivity (dBm)	-18	-28	-28	-28	-29	-21
Maximum input (dBm)	-2	-9	-9	-9	-9	-17
Input wavelength (nm)	1270 to 1610	1250 to 1620	1250 to 1620	1250 to 1620	1250 to 1620	850

SFP NON-OPTICAL OPTIONS

Specifications	DLSE45	DLSEHBNC	DLSEHDMI-RX	DLSEHDMI-TX
Part#	393-000101-00	393-000200-00	393-000310-00	393-000300-00
Type	Electrical RJ-45	Electrical HD-BNC	HDMI Receiver	HDMI Transmitter
Maximum bit-rate (Gb/s)	1.25	3	3	3

SFP+ OPTIONS

Specifications	DLS+31X10G-02km	DLS+55X10G-10km	DLSC+xxX10G-10km	DLS+55X10G-70km	DLSC+xxX10G-70km
PART#	393-551310-04	393-551550-14	393-561xx1-14	393-551550-24	393-561xx1-24
Supported link distances	2km	10km	10km	70km	70km
Optical budget (dB)	4	14	14	24	24
Optical band	WDM	WDM	CWDM	WDM	CWDM
Data rate	10Gbps	10Gbps	10Gbps	10Gbps	10Gbps
Transmitter					
Center wavelength (nm)	1310 ±45	1550 ±40	1271 to 1611 ±7.5*	1550 ±40	1471 to 1611 ±7.5
Spectral width (nm)	1	1	1	1	1
Optical launch power minimum (dBm)	-8.2	-1	-1	0	0
Optical launch power maximum (dBm)	.5	3	3	4	4
Dispersion penalty (dB)	3.2 dB	2 dB	2 dB	3 dB	3 dB
Receiver					
Receiver sensitivity (dBm)	-12.6	-15	-15	-23	-23
Maximum input (dBm)	0.5	0	0	-7	-7
Input wavelength (nm)	1260-1355	1260-1620	1260-1620	1260-1620	1260-1620

XFP OPTIONS

Specifications	DLX31X10G-8	DLX55X10G-14	DLX55X10G-24	DLXCxxX10G-24	DLXDxxX10G-24
PART#	394-051310-08	394-051550-14	394-051550-24	394-061xx1-24	394-2410xx-24
Optical budget (dB)	8	14	24	24	24
Type	WDM	WDM	WDM	CWDM	DWDM
Nominal bit-rate (Gb/s)	10.7	10.7	10.7	10.7	10.7
Transmitter					
Wavelength (nm)	1310 ±30	1550 ±30	1550 ±40	ITU G.694.2 standard 1471 to 1611 ±6.5	ITU-T G.694.1 standard channels 21 to 60
Optical output power (min dBm)	-6	-1	0	0	-3
Optical output power (max dBm)	-1	2	4	4	3
Dispersion penalty	-	-	1 dB @ 80 km	2 dB @ 80 km	1 dB @ 80 km
Receiver					
Receiver sensitivity (dBm)	-14	-16	-24	-24	-27
Maximum input (dBm)	0.5	-1	-7	-7	-7
Input wavelength (nm)	1290 to 1330	1260 to 1565	1530 to 1565	1260 to 1620	1525 to 1575

COMPATIBILITY

Module Model	SFP	Multi-mode SFP	SFP+	XFP
DLC103A*	✓			
DLC105*	✓			
DLC150E*	✓			
DLC156M/D				✓
DLC170AD	✓			
DLC170DA*	✓			
DLC205/DLM205	✓	✓	✓	
DLC274M/D	✓	✓	✓	
DLC300	✓		✓	
DLC410	✓	✓	✓	
DLC450	✓		✓	
SMART Platform	✓		✓	

* Not compatible with DWDM optics.



UPDATED 03/10/2018
All specifications subject to change without notice. ©2018

Sales



T: +1 978-263-5775
sales@artel.com
customer@artel.com
www.artel.com