



InfinityLink SFP, SFP+, and XFP Options



Artel ファンクションモジュールは、ホットスワップ可能なモジュールを採用し、各種のインタフェース仕様を提供します。

トランシーバは、複数のモジュール間で互換性があり、導入に必要なコストと時間を節約できます。

Artel モジュールはマルチモードとシングルモードアプリケーションで利用可能です。WDM および CWDM の全オプションが利用可能です。

COMPATIBILITY

Module Model	SFP	SFP+	XFP
ILC103A*	✓		
ILC105*	✓		
ILC150E*	✓		
ILC156M/D			✓
ILC170AD	✓		
ILC170DA*	✓		
ILC205	✓		
ILC274M/D	✓		
ILC300	✓		
ILC410	✓		
ILC450		✓	
SMART Platform	✓	✓	
Quarra 10G Switch		✓	
Quarra 1G Switches	✓		

* Not compatible with DWDM optics.

特徴

SFP トランシーバは、最大3G-SDIまたは1 GbEのあらゆるビデオレートを送受信用に設計されています。

SFP +およびXFP トランシーバは、10Gイーサネットおよびその他のデータの送受信用に設計されています。

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
- 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)
- Up to 20 dB loss budget LC/PC optical connectors
- Single-mode and Multimode Options
- Electrical Options
- RJ45, HD-BNC, HDMI



■ SFP - SHORT AND MEDIUM REACH FOR SINGLE OR MULTIMODE FIBER

Specifications	ILS31VX3G-20	ILS55VX3G-20	ILSCxxVX3G-20
PART#	393-051310-20	393-051550-20	393-061xx1-20
Type	WDM	WDM	CWDM
Optical Budget (dB)	20	20	20
Reach Single-mode (SMF28)	40 km	40 km	40 km
Multimode (OM-3)	1 km	1 km	1 km
Compatible Signal Formats	ATSC, ASI, SD/HD/3G-SDI w/ pathologicals, Gigabit Ethernet	ATSC, ASI, SD/HD/3G-SDI w/ pathologicals, Gigabit Ethernet	ATSC, ASI, SD/HD/3G-SDI w/ pathologicals, Gigabit Ethernet
Operating Temp Range	0-50C	0-50C	0-50C
Maximum bit-rate (Gb/s)	3	3	3
Transmitter			
Wavelength (nm)	1310	1550	ITU G.694.2 - 18 channels from 1271 to 1611 nm
Wavelength Tolerance (nm)	±40	±40	±6.5
Optical output power (min dBm)	-2	-2	-2
Optical output power (max dBm)	2	2	2
Dispersion penalty	-	1 dB @ 40 km	1 dB @ 40 km
Receiver			
Receiver sensitivity (dBm) 3G-SDI	-20	-20	-20
Receiver sensitivity (dBm) SD/HD-SDI	-21	-21	-21
Receiver sensitivity (dBm) Gigabit Ethernet	-21	-21	-21
Maximum input (dBm)	0	0	0
Input wavelength (nm)	1250 to 1620	1250 to 1620	1250 to 1620
Minimum Loss (dB) (1)	0	0	0

NOTE (1) : This is the minimum loss that must be present to prevent receiver overload.



SFP+ FOR 10 GIG-E

Specifications	ILS+M85X10G-300M	ILS+31X10G-20KM	ILS+55X10G-40KM	ILSC+xxX10G-40KM
PART#	393-500850-05	393-521310-14	393-541550-14	393-561xx1-14
Fiber Type	Multimode	Single Mode	Single Mode	Single Mode
Type		WDM	WDM	CWDM
Optical Budget (dB)	5	11	11	11
Reach	300 meters	20 km	40 km	40 km
Compatible Formats	10 Gig Ethernet	10 Gig Ethernet	10 Gig Ethernet	10 Gig Ethernet
Operating Temp Range	0-50C	0-50C	0-50C	0-50C
Transmitter				
Wavelength (nm)	850	1330	1550	ITU G.694.2 8 Chs 1471 to 1611
Wavelength Tolerance (nm)	±10	±30	±20	±6.5
Optical output power (min dBm)	-6	-5	-5	-2
Optical output power (max dBm)	-1	0	2	2
Dispersion penalty (dB)	3.9 @ 300m	-	2 dB @ 40 km	2 dB @ 40 km
Receiver				
Receiver sensitivity (dBm)	-11	-14	-14	-14
Maximum Input (dBm)	-1	0.5	0.5	0.5
Input wavelength (nm)	850	1250-1620	1250-1620	1250-1620
Minimum Loss (dB) (1)	0	0	2	2

NOTE (1) : This is the minimum loss that must be present to prevent receiver overload.

XFP FOR 10G DATA

Specifications	ILXM85X10G-300M	ILX31X10G-14	ILX55X10G-14	ILXCxxX10G-14
Part#	394-050850-10	394-151310-14	394-151550-14	394-061xx1-14
Type	Multimode	WDM	WDM	CWDM
Optical Budget (dB) ⁽¹⁾	8	14	14	14
Reach	300m OM-3	10 km	40 km	40 km
Compatible Formats	10.7 Gb/s	10.7 Gb/s	10.7 Gb/s	10.7 Gb/s
Operating Temp Range	0-50C	0-50C	0-50C	0-50C
Transmitter				
Wavelength (nm)	850	1310	1550	ITU G.694.2 8 Chs 1471-1611
Wavelength Tolerance (nm)	±10	±30	±30	±6.5
Optical output power (min dBm)	-5	-1	-1	-1
Optical output power (max dBm)	-1	2	2	2
Dispersion penalty	-	-	1 dB @ 40 km	1 dB @ 40 km
Receiver				
Receiver sensitivity (dBm)	-11	-14	-14	-14
Maximum Input (dBm)	0	0	0	0
Input wavelength (nm)	1260 to 1620	1260 to 1620	1260 to 1620	1260 to 1620
Minimum Loss (dB) ⁽²⁾	0	2	2	2

NOTE (1) : Using Artel multichannel TDM multiplexer

NOTE (2) : This is the minimum loss that must be present to prevent receiver overload.

