

StingRay Ethernet Over Fibre SFP Module

Options for GENUS chassis

Model SRY-SFP-L01-131-101 is an SFP module compatible with the compact SRY-G1S-DA-165 or SRY-G2S-DA-320 ethernet module which can be fitted in the Genus series chassis enabling ethernet over fibre of up to 10km.

Model SRY-SFP-Cxx-102 and SRY-SFP-Dxx-103 are SFP modules, compatible with the compact SRY-G1S-DA-165 or SRY-G2S-DA-320 ethernet module which can be fitted in the Genus series chassis enabling ethernet over fibre for distribution up to 35km (CWDM) or 500km with amplifiers (DWDM).

Model SRY-SFP-Bxxyy-zz-104 is a bidirectional SFP module, compatible with the compact SRY-G1S-DA-165 or SRY-G2S-DA-320 ethernet module which can be fitted in the Genus series chassis enabling ethernet over fibre for distribution of up to 10km and only requires 1 optical cable.

Ethernet over Fibre Module



SFP ports
 for up to 2 SFP modules

Multiple device connectivity
 ports are connected via an unmanaged Ethernet switch

Fast Ethernet ports
 features 2 x 10/100/1000BASE-T RJ45 ports

Supports single mode fibre

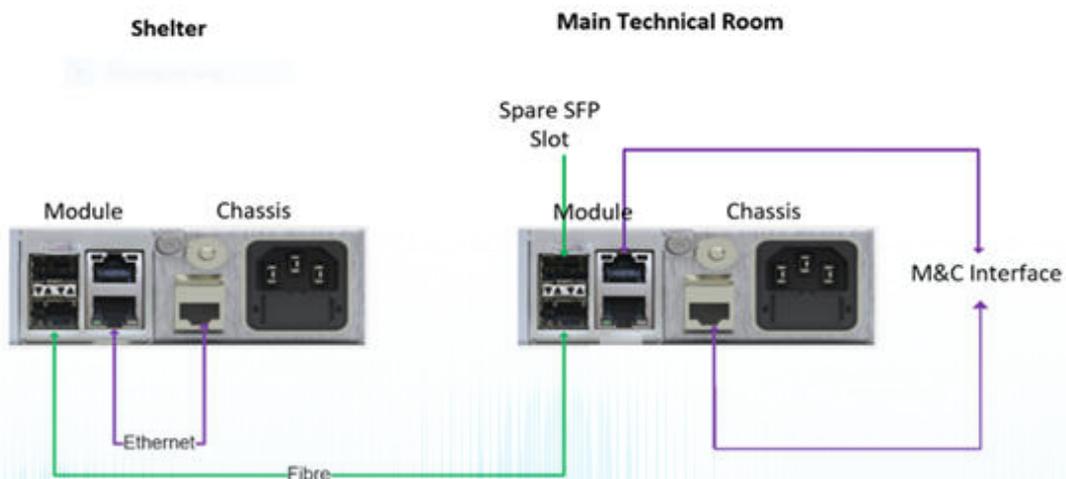


SRY-SFP-L01-131-101 SFP module requiring 2 fibres (TX & RX)



SRY-SFP-Bxxyy-zz-104 SFP module requiring only 1 fibre for bidirectional traffic

Typical Application





SRY-SFP-LO1-131-101 & SRY-SFP-CXX-102 & ■
SRY-SFP-DXX-103 & SRY-SFP-BXXYY-ZZ-104

Specifications	
Model Number	SRY-SFP-LO1-131-101 (up to 10km)
Compatible Modules	SRY-G1S-DA-165 & SRY-G2S-DA-320
Optical Ethernet	1 x 1000Base-LX10 SFP Gigabit Ethernet
Optical Wavelength	1310nm, Other wavelength SFPs available
Optical Connector	LC Duplex, Single Mode Fibre
Mounting Type	Pluggable, SFP
Fibre Count	2

Specifications	
Model Number	SRY-SFP-Bxxyy-zz-104
Compatible Modules	SRY-G1S-DA-165 & SRY-G2S-DA-320
Optical Ethernet	1 x 1000Base-LX10 SFP Gigabit Ethernet
Optical Wavelength	1550nm-TX/1310nm-RX or 1310nm-TX/1550nm-RX Note that the BiDi link TX wavelengths MUST be different at both ends of the link. A 'standard' pair of modules would utilise the wavelengths above. Other wavelengths are available, please enquire.
Average Optical Output Power	-9 to +3 dBm
Receiver Sensitivity	-23 dBm
Transmission Distance	Up to 10km dependant upon system configuration and optical loss of the coupled fibre. (Modules for other distances are available. Please enquire if required)
Optical Connector	LC or SC Simplex Single Mode Fibre PC or UPC
Mounting Type	Pluggable, SFP
Fibre Count	1

Specifications	
Model Number	SRY-SFP-Cxx-102 (CWDM) / SRY-SFP-Dxx-103 (DWDM)
Compatible Modules	SRY-G1S-DA-165 & SRY-G2S-DA-320
Optical Ethernet	1 x 1000Base-LX10 SFP Gigabit Ethernet
Optical Wavelength	SFP dependent, please see table on the next page
Optical Connector	LC Duplex, Single Mode Fibre Not angle polished
Mounting Type	Pluggable, SFP
Fibre Count	2

Please see individual SRY-G1S-DA-165 & SRY-G2S-DA-320 datasheet for other specifications

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.

Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.



CWDM SFP Options (SRY-SFP-Cxx-102) xx = wavelength ie 61 for 1610nm	
Wave length/nm	Optical Band
1270	O-Band
1290	O-Band
1310	O-Band
1330	O-Band
1350	O-Band
1370	E-Band
1390	E-Band
1410	E-Band
1430	E-Band
1450	E-Band
1470	S-Band
1490	S-Band
1510	S-Band
1530	C-Band
1550	C-Band
1570	L-Band
1590	L-Band
1610	L-Band

DWDM SFP Options (SRY-SFP-Dxx-103) xx = channel ie 60 for C60		
ITU Channel	Wave length/nm	Frequency / THz
C60	1529.55	196.00
C59	1530.33	195.90
C58	1531.12	195.80
C57	1531.90	195.70
C56	1532.68	195.60
C55	1533.47	195.50
C54	1534.25	195.40
C53	1535.04	195.30
C52	1535.82	195.20
C51	1536.61	195.10
C50	1537.4	195.00
C49	1538.19	194.90
C48	1538.98	194.80
C47	1539.77	194.70
C46	1540.56	194.60
C45	1541.35	194.50
C44	1542.14	194.40
C43	1542.94	194.30
C42	1543.73	194.20
C41	1544.53	194.10
C40	1545.32	194.00
C39	1546.12	193.90
C38	1546.92	193.80
C37	1547.72	193.70
C36	1548.51	193.60
C35	1549.32	193.50
C34	1550.12	193.40
C33	1550.92	193.30
C32	1551.72	193.20
C31	1552.52	193.10
C30	1553.33	193.00
C29	1554.13	192.90
C28	1554.94	192.80
C27	1555.75	192.70
C26	1556.55	192.60
C25	1557.36	192.50
C24	1558.17	192.40
C23	1558.98	192.30
C22	1559.79	192.20
C21	1560.61	192.10
C20	1561.42	192.00

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