

Fiber Transceiver Family

Hot-pluggable fiber transceiver modules



SFP / GBIC

GBIC/ SFP Transceivers are high performance, cost effective modules for serial optical data communications applications specified for a single mode at 1.25/2.5Gbps. They operate with +3.3V/5V power supplies and are intended for single mode or multi-mode fiber, operating at a nominal wavelength of 1310(850) nm. Each GBIC/ SFP Transceiver consists of a transmitter optical subassembly, a receiver optical subassembly and an electrical subassembly. GBIC/ SFP Transceivers are duplex SC/ LC transceiver designed for use in Gigabit Ethernet and to provide an IEEE-802.3z compliant link for 1.25/2.5Gbps short or long reach applications.

Features

- Features
- SFP & SFP+ Multi-Source Agreement compliant
- Single 3.3V power supply
- Duplex or Simplex LC receptacle connector
- Up to 10Gb/s bi-directional data links
- Class 1 laser safety standard IEC825 compliant
- Hot Pluggable
- Lower power dissipation

Ordering Information

XX-	X-	X	XXX-	XXX
Connector Type	Fiber Type	Speed Type	Connectivity Distance	Wave length
GB: GBIC	S: SM	9: 2.5G	000: 2km/ 550m	S85: SX850
SF: SFP	M: MM	7: 1.25G	010: 10km	L31: LX1310
		5: 155M	040: 40km	Z55: ZX1550
			080: 80km	WA: T13/ R15
			120: 120km	WB: T15/ R13
				CXX: CWDM

100Base-X Dual fiber SFP

Model Name	Wavelength(nm)	Media	Optical Power(dBm)	Sensitivity(dBm)	Type	Distance
SFM-5000-L31	1310	MMF	-20 ~ -14	-32	12	2km
SFM-5005-L31	1310	MMF	-9 ~ 0	-30	21	5km
SFS-5030-L31	1310	SMF	-15 ~ -8	-34	19	30km
SFS-5060-L31	1310	SMF	-5 ~ 0	-35	30	60km
SFS-5080-L31	1310	SMF	0 ~ +5	-36	36	80km
SFS-5100-Z55	1550	SMF	-5 ~ 0	-35	30	100km
SFS-5120-Z55	1550	SMF	0 ~ +5	-35	35	120km
SFS-5080-Cxx	CWDM	SMF	-5 ~ 0	-35	30	---
SFS-5100-Cxx	CWDM	SMF	0 ~ +5	-35	35	---
SFT-5000-R45	---	Copper	---	---	---	100m

100Base-BX, Single fiber Bi-Directional SFP

Model Name	Wavelength(nm)	Media	Optical Power(dBm)	Sensitivity(dBm)	Type	Distance
SFS-5010-WA	T1310/R1550	MMF	-14 ~ -8	-28	14	10km
SFS-5010-WB	T1550/R1310	MMF	-14 ~ -8	-28	14	10km
SFS-5020-WA	T1310/R1550	SMF	-14 ~ -8	-32	18	20km
SFS-5020-WB	T1550/R1310	SMF	-14 ~ -8	-32	18	20km
SFS-5040-WA	T1310/R1550	SMF	-8 ~ -0	-34	26	40km
SFS-5040-WB	T1550/R1310	SMF	-8 ~ -0	-34	26	40km
SFS-5060-WA	T1310/R1550	SMF	-5 ~ -0	-34	29	60km
SFS-5060-WB	T1550/R1310	SMF	-5 ~ -0	-34	29	60km

1.25Gbps (1000Base-X, Fiber Channel) GBIC

Model Name	Wavelength(nm)	Media	Optical Power(dBm)	Sensitivity(dBm)	Type	Distance
GBM-7000-S85	850	MMF	-9.5 ~ -4	-17	26	550m
GBM-7002-L31	1310	MMF	-9 ~ -1	-19	29	2km
GBM-7010-L31	1310	SMF	-9.5 ~ -3	-20	10.5	10km
GBM-7040-L31	1310	SMF	-2 ~ +3	-23	21	40km
GBM-7050-Z55	1550	SMF	-3 ~ +2	-24	21	50km
GBM-7080-Z55	1550	SMF	0 ~ +5	-24	24	80km
GBM-7120-Z55	1550	SMF	0 ~ +5	-30	30	120km

1.25Gbps (1000Base-X, Fiber Channel) SFP

Model Name	Wavelength(nm)	Media	Optical Power(dBm)	Sensitivity(dBm)	Type	Distance
SFM-7000-S85	850	MMF	-9.5 ~ -4	-17	26	550m
SFM-7002-L31	1310	MMF	-9 ~ -1	-19	29	2km
SFS-7010-L31	1310	SMF	-9.5 ~ -3	-20	10.5	10km
SFS-7020-L31	1310	SMF	-8 ~ -2	-23	15	20km
SFS-7040-L31	1310	SMF	-2 ~ +3	-23	21	40km
SFS-7060-Z55	1550	SMF	-3 ~ +2	-24	21	60km
SFS-7080-Z55	1550	SMF	0 ~ +5	-24	24	80km
SFS-7120-Z55	1550	SMF	0 ~ +5	-30	30	120km
SFS-7040-Cxx	CWDM	SMF	-5 ~ 0	-23	18	---
SFS-7080-Cxx	CWDM	SMF	0 ~ +5	-24	24	---
SFS-7100-Cxx	CWDM	SMF	0 ~ +5	-30	30	---
SFT-7000-R45	---	Copper	---	---	---	100m

1.25Gbps (1000Base-X, Single Fiber Bi-Directional) SFP

Model Name	Wavelength(nm)	Media	Optical Power(dBm)	Sensitivity(dBm)	Type	Distance
SFS-7010-WA	T1310/R1550	SMF	-9 ~ -3	-20	11	10km
SFS-7010-WB	T1550/R1310	SMF	-9 ~ -3	-20	11	10km
SFS-7020-WA	T1310/R1550	SMF	-7 ~ -2	-22	15	20km
SFS-7020-WB	T1550/R1310	SMF	-7 ~ -2	-22	15	20km
SFS-7040-WA	T1310/R1550	SMF	-3 ~ -2	-23	20	40km
SFS-7040-WB	T1550/R1310	SMF	-3 ~ -2	-23	20	40km
SFS-7060-WA	T1310/R1550	SMF	0 ~ +5	-24	24	60km
SFS-7060-WB	T1550/R1310	SMF	0 ~ +5	-24	24	60km

2.5Gbps Multi-Rate (155M ~ 2.67G) SFP

Model Name	Wavelength(nm)	Media	Optical Power(dBm)	Sensitivity(dBm)	Type	Distance
SFS-9002-L31	1310	SMF	-10 ~ -3	-18	8	2km
SFS-9015-L31	1310	SMF	-5 ~ 0	-18	13	15km
SFS-9025-Z55	1550	SMF	-5 ~ 0	-18	13	25km
SFS-9040-L31	1310	SMF	-3 ~ +2	-27	24	40km
SFS-9080-Z55	1550	SMF	-3 ~ +2	-28	25	80km
SFS-9100-Z55	1550	SMF	0 ~ +5	-30	30	100km
SFS-9040-Cxx	CWDM	SMF	-1 ~ +4	-21	20	40km
SFS-9080-Cxx	CWDM	SMF	-2 ~ +3	-28	26	80km
SFS-9100-Cxx	CWDM	SMF	0 ~ +5	-30	30	100km

10Gbps SFP+

Model Name	Wavelength(nm)	Media	Optical Power(dBm)	Sensitivity(dBm)	Type	Distance
SFM-1000-SR85	850	MMF	-7.3 ~ -1	-9.1	1.8	300m
SFS-1010-LR31	1310	SMF	-8.2 ~ +0.5	-14.4	6.2	10km