



SFP Fiber Transceiver

(2.67Gbps/1.25Gbps/155Mbps)

Hot-Pluggable Fiber Transceiver Modules

SFP Transceivers are high performance, cost effective modules for serial optical data communications applications specified for a single mode or multi-mode at 155M/1.25G/2.67Gbps. The SFP operate with +3.3V power supplies and are operating at a nominal wavelength of 1310nm, 1550nm for single mode and 850nm, 1310nm for multi-mode. Each SFP Transceiver consists of a transmitter optical subassembly, a receiver optical subassembly and an electrical subassembly. SFP Transceivers are duplex LC connector transceiver designed for 155M/ 1.25G/2.67Gbps used in short or long reach applications.

Feature

- 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

2.67Gbps SFP

• Dual Fiber SFP

Model Name	Wavelength(nm)	Media	Optical Power(dBm)	Sensitivity(dBm)	Power Budget(dB)	Distance	DDMI	Operation Temperature
SFS-9002-L31-DD	1310	SMF	-10 ~ -3	-18	8	2km	✓	0 ~ 70°C
SFS-9015-L31-DD	1310	SMF	-5 ~ 0	-18	13	15km	✓	0 ~ 70°C
SFS-9030-Z55-DD	1550	SMF	-5 ~ 0	-18	13	30km	✓	0 ~ 70°C
SFS-9050-Z55-DD	1550	SMF	-3 ~ +2	-27	24	50km	✓	0 ~ 70°C
SFS-9080-Z55-DD	1550	SMF	-2 ~ +3	-28	26	80km	✓	0 ~ 70°C
SFS-9100-Z55-DD	1550	SMF	0 ~ +5	-30	30	100km	✓	0 ~ 70°C

2.67Gbps SFP

• Dual Fiber CWDM SFP

Model Name	Wavelength(nm)	Media	Optical Power(dBm)	Sensitivity(dBm)	Power Budget(dB)	Distance	DDMI	Operation Temperature
SFS-9040-Cxx	1470 ~ 1610nm	SMF	-1 ~ +4	-21	20	40km	✓	0 ~ 70°C
SFS-9080-Cxx	1470 ~ 1610nm	SMF	-2 ~ +3	-28	26	80km	✓	0 ~ 70°C
SFS-9100-Cxx	1470 ~ 1610nm	SMF	0 ~ +5	-30	30	100km	✓	0 ~ 70°C

2.67Gbps SFP

• Dual Fibe DWDM 100GHz SFP

Model Name	Wavelength(nm)	Media	Optical Power(dBm)	Sensitivity(dBm)	Power Budget(dB)	Distance	DDMI	Operation Temperature
SFS-9120-DW-Cxx	C17 ~ C61	SMF	0 ~ +4	-30	30	120km	✓	0 ~ 70°C

1.25Gbps SFP

• 1000Base-X, Single Fiber Bi-Directional SFP

Model Name	Wavelength(nm)	Media	Optical Power(dBm)	Sensitivity(dBm)	Power Budget(dB)	Distance	DDMI	Operation Temperature
SFS-7020-WA	T1310 / R1550	SMF	-7~-2	-22	15	20km		0 ~ 70°C
SFS-7020-WA-DD	T1310 / R1550	SMF	-7~-2	-22	15	20km	✓	0 ~ 70°C
SFS-7020-WB	T1550 / R1310	SMF	-7~-2	-22	15	20km		0 ~ 70°C
SFS-7020-WB-DD	T1550 / R1310	SMF	-7~-2	-22	15	20km	✓	0 ~ 70°C
SFS-7040-WA	T1310 / R1550	SMF	-3~-2	-23	20	40km		0 ~ 70°C
SFS-7040-WA-DD	T1310 / R1550	SMF	-3~-2	-23	20	40km	✓	0 ~ 70°C
SFS-7040-WB	T1550 / R1310	SMF	-3~-2	-23	20	40km		0 ~ 70°C
SFS-7040-WB-DD	T1550 / R1310	SMF	-3~-2	-23	20	40km	✓	0 ~ 70°C

1.25Gbps SFP

• 1000Base-X, Fiber Channel SFP

Model Name	Wavelength(nm)	Media	Optical Power(dBm)	Sensitivity(dBm)	Power Budget(dB)	Distance	DDMI	Operation Temperature
SFM-7000-S85	850	MMF	-9.5~-4	-17	7.5	550m		0 ~ 70°C
SFM-7000-S85-DD	850	MMF	-9.5~-4	-17	7.5	550m	✓	0 ~ 70°C
SFM-7000-L31	1310	MMF	-9~-1	-19	10	2km		0 ~ 70°C
SFM-7000-L31-DD	1310	MMF	-9~-1	-19	10	2km	✓	0 ~ 70°C
SFS-7010-L31	1310	SMF	-9.5~-3	-20	10.5	10km		0 ~ 70°C
SFS-7010-L31-DD	1310	SMF	-9.5~-3	-20	10.5	10km	✓	0 ~ 70°C
SFS-7020-L31	1310	SMF	-8~-2	-23	15	20km		0 ~ 70°C
SFS-7020-L31-DD	1310	SMF	-8~-2	-23	15	20km	✓	0 ~ 70°C
SFS-7040-L31	1310	SMF	-2~-3	-23	21	40km		0 ~ 70°C
SFS-7040-L31-DD	1310	SMF	-2~-3	-23	21	40km	✓	0 ~ 70°C

155Mbps SFP

• 100Base-BX, Single fiber Bi-Directional SFP

Model Name	Wavelength(nm)	Media	Optical Power(dBm)	Sensitivity(dBm)	Power Budget(dB)	Distance	DDMI	Operation Temperature
SFS-5020-WA	T1310 / R1550	SMF	-14~-8	-32	18	20km		0 ~ 70°C
SFS-5020-WA-DD	T1310 / R1550	SMF	-14~-8	-32	18	20km	✓	0 ~ 70°C
SFS-5020-WB	T1550 / R1310	SMF	-14~-8	-32	18	20km		0 ~ 70°C
SFS-5020-WB-DD	T1550 / R1310	SMF	-14~-8	-32	18	20km	✓	0 ~ 70°C

155Mbps SFP

• 100Base-X Dual fiber SFP

Model Name	Wavelength(nm)	Media	Optical Power(dBm)	Sensitivity(dBm)	Power Budget(dB)	Distance	DDMI	Operation Temperature
SFM-5000-L31	1310	MMF	-20~-14	-32	12	2km		0 ~ 70°C
SFM-5000-L31-DD	1310	MMF	-20~-14	-32	12	2km	✓	0 ~ 70°C
SFS-5030-L31	1310	SMF	-15~-8	-34	19	30km		0 ~ 70°C
SFS-5030-L31-DD	1310	SMF	-15~-8	-34	19	30km	✓	0 ~ 70°C
SFS-5050-L31	1310	SMF	-5~-0	-35	30	50km		0 ~ 70°C
SFS-5050-L31-DD	1310	SMF	-5~-0	-35	30	50km	✓	0 ~ 70°C

Naming Rule

