

Comparison Table

Transceiver - SFP

Transceiver		Media	Max. Data (bps)	Connector	Wavelength (nm)	Max. Output Power (dBm)	Min. Output Power (dBm)	Sensitivity (dBm)	Power Budget (dB)	Diode	BER	Note	
SFP	Standard	MM (550M)	1.25G	LC	850	-4	-9.5	-18	8.5	VCSEL	<10 ⁻¹²		
		MM (2KM)	155M	LC	1310	-14	-20	-31	11	LED	<10 ⁻¹⁰		
			1.25G	LC	1310	-1	-9	-19	10	FP	<10 ⁻¹²		
			2.5G	LC	1310	-3	-9	-20	11	FP	<10 ⁻¹²	DDM	
		SM (10KM)	1.25G	LC	1310	-3	-9.5	-20	10.5	FP	<10 ⁻¹²		
		SM (15KM)	2.5G	LC	1310/ 1550	0	-5	-20	15	DFB	<10 ⁻¹²	DDM	
		SM (30KM)	155M	LC	1310	-8	-15	-34	19	FP	<10 ⁻¹²		
		SM (40KM)	1.25G	LC	1310/ 1550	1	-4	-24	20	DFB	<10 ⁻¹²		
			2.5G	LC	1310	3	-2	-28	26	DFB	<10 ⁻¹²	DDM	
				LC	1550	4	-1	-21	20	DFB	<10 ⁻¹²	DDM	
		SM (50KM)	155M	LC	1310	0	-5	-35	30	FP	<10 ⁻¹⁰		
		SM (80KM)	1.25G	LC	1550	5	0	-24	24	DFB	<10 ⁻¹²		
			2.5G	LC	1550	3	-2	-28	26	DFB	<10 ⁻¹²	DDM	
		SM (120KM)	155M	LC	1550	5	0	-35	35	DFB	<10 ⁻¹⁰		
			1.25G	LC	1550	5	0	-30	30	DFB	<10 ⁻¹²		
		WDM (BiDi)	SM 20A (20KM)	155M	LC	Tx : 1310 Rx : 1550	-8	-14	-32	18	FP	<10 ⁻¹⁰	
			SM 20B (20KM)	155M	LC	Tx : 1550 Rx : 1310	-8	-14	-32	18	FP	<10 ⁻¹⁰	
			SM 40A (40KM)	155M	LC	Tx : 1310 Rx : 1550	0	-8	-34	26	FP	<10 ⁻¹⁰	
	SM 40B (40KM)		155M	LC	Tx : 1550 Rx : 1310	0	-8	-34	26	DFB	<10 ⁻¹⁰		
	SM 60A (60KM)		155M	LC	Tx : 1310 Rx : 1550	0	-5	-34	29	FP	<10 ⁻¹⁰		
	SM 60B (60KM)		155M	LC	Tx : 1550 Rx : 1310	0	-5	-34	29	DFB	<10 ⁻¹⁰		
	SM 10A (10KM)		1.25G	LC	Tx : 1310 Rx : 1550	-3	-9	-21	12	FP	<10 ⁻¹²		
	SM 10B (10KM)		1.25G	LC	Tx : 1550 Rx : 1310	-3	-9	-21	12	DFB	<10 ⁻¹²		
	SM 20A (20KM)		1.25G	LC	Tx : 1310 Rx : 1550	-2	-8	-23	15	FP	<10 ⁻¹²		
	SM 20B (20KM)		1.25G	LC	Tx : 1550 Rx : 1310	-2	-8	-23	15	DFB	<10 ⁻¹²		
	SM 40A (40KM)		1.25G	LC	Tx : 1310 Rx : 1550	2	-3	-23	20	DFB	<10 ⁻¹²		
	SM 40B (40KM)		1.25G	LC	Tx : 1550 Rx : 1310	2	-3	-23	20	DFB	<10 ⁻¹²		
	SM 60A (60KM)		1.25G	LC	Tx : 1310 Rx : 1550	5	0	-24	24	DFB	<10 ⁻¹²		
	SM 60B (60KM)		1.25G	LC	Tx : 1550 Rx : 1310	4	-2	-25	23	DFB	<10 ⁻¹²		
	CWDM		SM 040 (40KM)	1.25G	LC	1470/ 1490/ 1510 1530/ 1550/ 1570 1590/ 1610	1	-4	-24	20	DFB	<10 ⁻¹²	DDM
			SM 080 (80KM)	1.25G	LC	1470/ 1490/ 1510 1530/ 1550/ 1570 1590/ 1610	5	0	-23	23	DFB	<10 ⁻¹²	DDM
			SM 120 (120KM)	1.25G	LC	1470/ 1490/ 1510 1530/ 1550/ 1570 1590/ 1610	5	0	-30	30	DFB	<10 ⁻¹²	DDM
			SM 040 (40KM)	2.5G	LC	1470/ 1490/ 1510 1530/ 1550/ 1570 1590/ 1610	4	-1	-21	20	DFB	<10 ⁻¹²	DDM
		SM 080 (80KM)	2.5G	LC	1470/ 1490/ 1510 1530/ 1550/ 1570 1590/ 1610	3	-2	-28	26	DFB	<10 ⁻¹²	DDM	
		SM 120 (120KM)	2.5G	LC	1470/ 1490/ 1510 1530/ 1550/ 1570 1590/ 1610	5	0	-30	30	DFB	<10 ⁻¹²	DDM	

Note:

1. MM: Multi-Mode/ SM: Single-Mode
2. WDM (BiDi): Bi-Direction in one single fiber. *10A must be coupled with 10B, 20A must be coupled with 20B, and 40A with 40B, 60A with 60B.
3. CWDM: For Sigma Link 2000/5000 products use only
4. DDM: Digital Diagnostic Monitoring function

Comparison Table

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Fiber Series

Access Series

xDSL Series

IP Networking

Testers

Interface Converter

Datacom Accessories

Network Management

Transceiver - GBIC

Transceiver	Media	Max. Data Rate	Connector	Wavelength	Max. Output Power	Min. Output Power	Sensitivity	Power Budget	Diode	BER	
				(nm)	(dBm)	(dBm)	(dBm)	(dB)			
GBIC Standard	MM (550M)	1.25G	SC	850	-4	-9.5	-18	8.5	VCSEL	<10 ⁻¹²	
	MM (2KM)	1.25G	SC	1310	-1	-9	-19	10	FP	<10 ⁻¹²	
	SM (10KM)	1.25G	SC	1310	-3	-9.5	-20	10.5	FP	<10 ⁻¹²	
	SM (40KM)	1.25G	SC	1310	3	-4	-23	19	DFB	<10 ⁻¹²	
		1.25G	SC	1550	1	-4	-23	19	DFB	<10 ⁻¹²	
	SM (80KM)	1.25G	SC	1550	5	0	-23	23	DFB	<10 ⁻¹²	
	SM (120KM)	1.25G	SC	1550	4	-1	-31	30	DFB	<10 ⁻¹²	
	WDM (BiDi)	SM 10A (10KM)	1.25G	SC	Tx : 1310 Rx : 1550	-3	-9	-20	11	FP	<10 ⁻¹²
		SM 10B (10KM)	1.25G	SC	Tx : 1550 Rx : 1310	-3	-9	-20	11	DFB	<10 ⁻¹²
		SM 20A (20KM)	1.25G	SC	Tx : 1310 Rx : 1550	-3	-8	-23	15	FP	<10 ⁻¹²
		SM 20B (20KM)	1.25G	SC	Tx : 1550 Rx : 1310	-3	-8	-23	15	DFB	<10 ⁻¹²
		SM 40A (40KM)	1.25G	SC	Tx : 1310 Rx : 1550	2	-3	-23	20	DFB	<10 ⁻¹²
		SM 40B (40KM)	1.25G	SC	Tx : 1550 Rx : 1310	2	-3	-23	20	DFB	<10 ⁻¹²
		SM 60A (60KM)	1.25G	SC	Tx : 1310 Rx : 1550	5	0	-24	24	DFB	<10 ⁻¹²
		SM 60B (60KM)	1.25G	SC	Tx : 1550 Rx : 1310	4	-2	-25	23	DFB	<10 ⁻¹²

Note:

1. MM: Multi-Mode/ SM: Single-Mode
2. WDM (BiDi): Bi-Direction in one single fiber. *10A must be coupled with 10B, 20A must be coupled with 20B, and 40A with 40B, 60A, 60A with 60B.

Transceiver - 1 x 9

Transceiver	Media	Max. Data Rate	Connector	Wavelength	Max. Output Power	Min. Output Power	Sensitivity	Power Budget	Diode	BER	
				(nm)	(dBm)	(dBm)	(dBm)	(dB)			
1x9 Standard	MM (550M)	1.25G	SC	850	-4	-9.5	-18	8.5	VCSEL	<10 ⁻¹²	
	MM (2KM)	155M	ST/SC	1310	-14	-20	-31	11	LED	<10 ⁻¹⁰	
	SM (30KM)	155M	ST/SC/FC	1310	-5	-15	-35	20	FP	<10 ⁻¹⁰	
	SM (50KM)	155M	ST/SC/FC	1310	2	-8	-36	28	FP	<10 ⁻¹⁰	
	SM (80KM)	155M	ST/SC/FC	1550	0	-5	-34	29	DFB	<10 ⁻¹⁰	
	SM (120KM)	155M	ST/SC/FC	1550	5	0	-35	35	DFB	<10 ⁻¹⁰	
	WDM (BiDi)	SM 20A (20KM)	155M	SC	Tx : 1310 Rx : 1550	-7	-15	-32	17	FP	<10 ⁻¹⁰
		SM 20B (20KM)	155M	SC	Tx : 1550 Rx : 1310	-7	-18	-32	14	FP	<10 ⁻¹⁰
		SM 40A (40KM)	155M	SC	Tx : 1310 Rx : 1550	0	-7	-32	25	FP	<10 ⁻¹⁰
		SM 40B (40KM)	155M	SC	Tx : 1550 Rx : 1310	0	-8	-32	24	DFB	<10 ⁻¹⁰
		SM 60A (60KM)	155M	SC	Tx : 1310 Rx : 1550	0	-5	-34	29	FP	<10 ⁻¹⁰
		SM 60B (60KM)	155M	SC	Tx : 1550 Rx : 1310	0	-5	-34	29	DFB	<10 ⁻¹⁰

Note:

1. MM: Multi-Mode/ SM: Single-Mode
2. WDM (BiDi): Bi-Direction in one single fiber. *20A must be coupled with 20B, 40A must be coupled with 40B, and 60A coupled with 40B, and 60A coupled with 60B.
3. The highlight 1x9 transceiver (550km, MM, 1.25G) is only used for our product "FIB1-1000MG".