



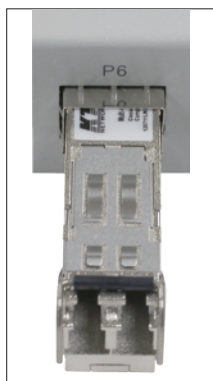
SFP Fiber Transceivers



SFP Fiber Transceivers



Plug in SFP Port



KTI provides a variety of optional Small Form-Factor Pluggable (SFP), which is also known as Mini-GBIC, fiber transceivers for the switches equipped with SFP connectors. The following information describes the specification of each SFP part, and it also indicates their applications in different KTI networking products.

Ordering Information:

10G SFP+ Fiber Transceivers:

Part No.	10G/GbE/FE	Connectors	Ref. Fiber Distance	Operating Temperature	DDM
SFP-10G-SR-A	10G	LC	MMF 300m (OM3 Fiber)	-10°C ~ 70°C	✓
SFP-10G-LR-A	10G	LC	SMF 10km	-10°C ~ 70°C	✓
SFP-10G-ER-A	10G	LC	SMF 40km	0°C ~ 70°C	✓
SFP-10G-ZR-A	10G	LC	SMF 80km	0°C ~ 70°C	✓

Gigabit SFP Fiber Transceivers:

Part No.	10G/GbE/FE	Connectors	Ref. Fiber Distance	Operating Temperature	DDM
SFP-GLM-A	GbE	LC	MMF 550m	0°C ~ 70°C	
SFP-GLMD-A	GbE	LC	MMF 550m	0°C ~ 70°C	✓
SFP-GLM-A -1310	GbE	LC	1km ~ 2km*1 (MMF 62.5/125 μm)	0°C ~ 70°C	
SFP-GLMD-A -1310	GbE	LC	1km ~ 2km*1 (MMF 62.5/125 μm)	0°C ~ 70°C	✓
SFP-GLS-10-A	GbE	LC	SMF 10km	0°C ~ 70°C	
SFP-GLSD-10-A	GbE	LC	SMF 10km	0°C ~ 70°C	✓
SFP-GLS-20-A	GbE	LC	SMF 20km	0°C ~ 70°C	
SFP-GLSD-20-A	GbE	LC	SMF 20km	0°C ~ 70°C	✓
SFP-GLS-30-A	GbE	LC	SMF 30km	0°C ~ 70°C	
SFP-GLSD-30-A	GbE	LC	SMF 30km	0°C ~ 70°C	✓
SFP-GLS-50-A	GbE	LC	SMF 50km	0°C ~ 70°C	
SFP-GLSD-50-A	GbE	LC	SMF 50km	0°C ~ 70°C	✓
SFP-GLS-70-A	GbE	LC	SMF 70km	0°C ~ 70°C	
SFP-GLSD-70-A	GbE	LC	SMF 70km	0°C ~ 70°C	✓
SFP-GLS-90-A	GbE	LC	SMF 90km	0°C ~ 70°C	
SFP-GLS-110-A	GbE	LC	SMF 110km	0°C ~ 70°C	
SFP-GLM-A-A	GbE	LC	MMF 550m	-20°C ~ 85°C	
SFP-GLMD-A-A	GbE	LC	MMF 550m	-20°C ~ 85°C	✓
SFP-GLM-A-A -1310	GbE	LC	1km ~ 2km*1 (MMF 62.5/125 μm)	-40°C ~ 85°C	
SFP-GLMD-A-A -1310	GbE	LC	1km ~ 2km*1 (MMF 62.5/125 μm)	-40°C ~ 85°C	✓
SFP-GLS-10A-A	GbE	LC	SMF 10km	-40°C ~ 85°C	
SFP-GLSD-10A-A	GbE	LC	SMF 10km	-40°C ~ 85°C	✓
SFP-GLS-20A-A	GbE	LC	SMF 20km	-40°C ~ 85°C	
SFP-GLSD-20A-A	GbE	LC	SMF 20km	-40°C ~ 85°C	✓
SFP-GLS-30A-A	GbE	LC	SMF 30km	-40°C ~ 85°C	

- * GbE: Gigabit Ethernet
- * FE: Fast Ethernet
- * DDM: Digital Diagnostics Monitoring function
- * 1: Corning fiber 2km tested



SFP-GLSD-30A-A	GbE	LC	SMF 30km	-40°C ~ 85°C	✓
SFP-GLS-50A-A	GbE	LC	SMF 50km	-40°C ~ 85°C	
SFP-GLSD-50A-A	GbE	LC	SMF 50km	-40°C ~ 85°C	✓
SFP-GLSD-70A-A	GbE	LC	SMF 70km	-40°C ~ 85°C	✓
SFP-GLS-110A-A	GbE	LC	SMF 110km	-40°C ~ 85°C	
SFP-GLSD-110A-A	GbE	LC	SMF 110km	-40°C ~ 85°C	✓

WDM

SFP-GLS-W3510-A	GbE	LC	Bi-Di SMF 10km	0°C ~ 70°C	✓
SFP-GLS-W5310-A	GbE	LC	Bi-Di SMF 10km	0°C ~ 70°C	✓
SFP-GLSD-W3510-A	GbE	LC	Bi-Di SMF 10km	0°C ~ 70°C	
SFP-GLSD-W5310-A	GbE	LC	Bi-Di SMF 10km	0°C ~ 70°C	
SFP-GLS-W3520-A	GbE	LC	Bi-Di SMF 20km	0°C ~ 70°C	
SFP-GLS-W5320-A	GbE	LC	Bi-Di SMF 20km	0°C ~ 70°C	
SFP-GLS-W3540-A	GbE	LC	Bi-Di SMF 40km	0°C ~ 70°C	
SFP-GLS-W5340-A	GbE	LC	Bi-Di SMF 40km	0°C ~ 70°C	
SFP-GLS-W3560-A	GbE	LC	Bi-Di SMF 60km	0°C ~ 70°C	
SFP-GLS-W5360-A	GbE	LC	Bi-Di SMF 60km	0°C ~ 70°C	
SFP-GLS-W3520A-A	GbE	LC	Bi-Di SMF 20km	-40°C ~ 85°C	
SFP-GLS-W5320A-A	GbE	LC	Bi-Di SMF 20km	-40°C ~ 85°C	
SFP-GLS-W3540A-A	GbE	LC	Bi-Di SMF 40km	-40°C ~ 85°C	✓
SFP-GLS-W5340A-A	GbE	LC	Bi-Di SMF 40km	-40°C ~ 85°C	✓
SFP-GLSD-W3540A-A	GbE	LC	Bi-Di SMF 40km	-40°C ~ 85°C	
SFP-GLSD-W5340A-A	GbE	LC	Bi-Di SMF 40km	-40°C ~ 85°C	

CWDM

SFP-GLS-CxxW50-A	GbE	LC	CWDM SMF 50km	0°C ~ 70°C	
SFP-GLS-CxxW80-A	GbE	LC	CWDM SMF 80km	0°C ~ 70°C	

BX10

SFP-GLS-BX10D-A	GbE	LC	Bi-Di SMF 10km	0°C ~ 70°C	
SFP-GLS-BX10U-A	GbE	LC	Bi-Di SMF 10km	0°C ~ 70°C	
SFP-GSS-BX10D-A	GbE	SC	Bi-Di SMF 10km	0°C ~ 70°C	
SFP-GSS-BX10U-A	GbE	SC	Bi-Di SMF 10km	0°C ~ 70°C	

Fast Ethernet SFP Fiber Transceivers:

Part No.	10G/GbE/FE	Connectors	Ref. Fiber Distance	Operating Temperature	DDM
SFP-FC-M-A	FE	LC	MMF 2km	-10°C ~ 70°C	
SFP-FC-M5-A	FE	LC	MMF 5km	0°C ~ 70°C	
SFP-FC-S30-A	FE	LC	SMF 30km	0°C ~ 70°C	
SFP-FCD-S30-A	FE	LC	SMF 30km	0°C ~ 70°C	✓
SFP-FCD-S30-A2	FE	LC	SMF 30km	0°C ~ 70°C	✓
SFP-FC-S60-A	FE	LC	SMF 60km	0°C ~ 70°C	
SFP-FC-S100-A	FE	LC	SMF 100km	0°C ~ 70°C	
SFP-FCD-S100-A	FE	LC	SMF 100km	0°C ~ 70°C	✓



SFP-GLSD-10A-A	1310nm	-9 ~ -3	-21	-3
SFP-GLS-20A-A	1310nm	-8 ~ -2	-23	-1
SFP-GLSD-20A-A	1310nm	-8 ~ -3	-23	-3
SFP-GLS-30A-A	1310nm	-4 ~ 1	-24	-3
SFP-GLSD-30A-A	1310nm	-4 ~ 3	-24	-1
SFP-GLS-50A-A	1550nm	-4 ~ 1	-24	-3
SFP-GLSD-50A-A	1550nm	-4 ~ 1	-24	-1
SFP-GLSD-70A-A	1550nm	0 ~ 5	-24	-1
SFP-GLS-110A-A	1550nm	0 ~ 5	-30	-9
SFP-GLSD-110A-A	1550nm	0 ~ 5	-30	-8

WDM

SFP-GLS-W3510-A	Tx: 1310nm Rx: 1550nm	-9 ~ -3	-21	-1
SFP-GLS-W5310-A	Tx: 1550nm Rx: 1310nm	-9 ~ -3	-21	-1
SFP-GLSD-W3510-A	Tx: 1310nm Rx: 1550nm	-9 ~ -3	-21	-1
SFP-GLSD-W5310-A	Tx: 1550nm Rx: 1310nm	-9 ~ -3	-21	-1
SFP-GLS-W3520-A	Tx: 1310nm Rx: 1550nm	-8 ~ -2	-23	-1
SFP-GLS-W5320-A	Tx: 1550nm Rx: 1310nm	-8 ~ -2	-23	-1
SFP-GLS-W3540-A	Tx: 1310nm Rx: 1550nm	-3 ~ 2	-23	-1
SFP-GLS-W5340-A	Tx: 1550nm Rx: 1310nm	-3 ~ 2	-23	-1
SFP-GLS-W3560-A	Tx: 1310nm Rx: 1550nm	0 ~ 5	-24	-1
SFP-GLS-W5360-A	Tx: 1550nm Rx: 1310nm	-2 ~ 4	-25	-1
SFP-GLS-W3520A-A	Tx: 1310nm Rx: 1550nm	-8 ~ -2	-23	-1
SFP-GLS-W5320A-A	Tx: 1550nm Rx: 1310nm	-8 ~ -2	-23	-1
SFP-GLS-W3540A-A	Tx: 1310nm Rx: 1550nm	-3 ~ 2	-23	-1
SFP-GLS-W5340A-A	Tx: 1550nm Rx: 1310nm	-3 ~ 2	-23	-1
SFP-GLSD-W3540A-A	Tx: 1310nm Rx: 1550nm	-3 ~ 2	-23	-1
SFP-GLSD-W5340A-A	Tx: 1550nm Rx: 1310nm	-3 ~ 2	-23	-1

CWDM

SFP-GLS-CxxW50-A	Tx: 1xx0nm (1470-1610nm)	0 ~ 5	-24	-1
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SFP-FC-M-A-A	FE	LC	MMF 2km	-40°C ~ 85°C
SFP-FC-S10A-AV	FE	LC	SMF 10km	-10°C ~ 85°C
SFP-FC-S30A-A	FE	LC	SMF 30km	-40°C ~ 85°C

WDM

SFP-FC-W3520-A	FE	LC	Bi-Di SMF 20km	0°C ~ 70°C	
SFP-FC-W5320-A	FE	LC	Bi-Di SMF 20km	0°C ~ 70°C	
SFP-FC-W3540A-A	FE	LC	Bi-Di SMF 40km	-40°C ~ 85°C	
SFP-FC-W5340A-A	FE	LC	Bi-Di SMF 40km	-40°C ~ 85°C	
SFP-FCD-W3540A-A	FE	LC	Bi-Di SMF 40km	-40°C ~ 85°C	✓
SFP-FCD-W5340A-A	FE	LC	Bi-Di SMF 40km	-40°C ~ 85°C	✓

BX10

SFP-FSC-BX10D-A	FE	SC	Bi-Di SMF 10km	0°C ~ 70°C
SFP-FSC-BX10U-A	FE	SC	Bi-Di SMF 10km	0°C ~ 70°C

Optical Specifications:

10G SFP+ Fiber Transceivers:

Part No.	Wavelength	Tx Power	Rx Sens.	Rx Max.
SFP-10G-SR-A	850nm	-7.1 ~ -1	-9.9	-1
SFP-10G-LR-A	1310nm	-6 ~ 0.5	-14.4	0.5
SFP-10G-ER-A	1550nm	-4.7 ~ 4	-15.8	-1
SFP-10G-ZR-A	1550nm	0 ~ 4	-23	-7

Gigabit SFP Fiber Transceivers:

Part No.	Wavelength	Tx Power	Rx Sens.	Rx Max.
SFP-GLM-A	850nm	-9.5 ~ -4	-18	0
SFP-GLMD-A	850nm	-9.5 ~ -4	-18	0
SFP-GLM-A-1310	1310nm	-9 ~ -1	-19	-1
SFP-GLMD-A-1310	1310nm	-9 ~ -1	-19	-1
SFP-GLS-10-A	1310nm	-9.5 ~ -3	-20	-3
SFP-GLSD-10-A	1310nm	-9 ~ -3	-21	-3
SFP-GLS-20-A	1310nm	-8 ~ -2	-23	-1
SFP-GLSD-20-A	1310nm	-8 ~ -3	-23	-3
SFP-GLS-30-A	1310nm	-4 ~ 1	-24	-3
SFP-GLSD-30-A	1310nm	-4 ~ 3	-24	-1
SFP-GLS-50-A	1550nm	-4 ~ 1	-24	-3
SFP-GLSD-50-A	1550nm	-4 ~ 1	-24	-1
SFP-GLS-70-A	1550nm	0 ~ 5	-24	-3
SFP-GLSD-70-A	1550nm	0 ~ 5	-24	-1
SFP-GLS-90-A	1550nm	0 ~ 5	-27	-1
SFP-GLS-110-A	1550nm	0 ~ 5	-30	-8
SFP-GLM-A-A	850nm	-9.5 ~ -4	-18	0
SFP-GLMD-A-A	850nm	-9.5 ~ -4	-18	0
SFP-GLM-A-A-1310	1310nm	-9 ~ -1	-19	-1
SFP-GLMD-A-A-1310	1310nm	-9 ~ -1	-19	-1
SFP-GLS-10A-A	1310nm	-9.5 ~ -3	-20	-3



Applications:

Model	Product	SFP Ports
KGS-2422-B	GbE Switch	GbE, FE
KGS-2423	GbE Switch	GbE (DDM)
KGS-810F-B	GbE Switch	GbE (DDM)
KGS-510F-D	GbE Switch	GbE, FE (DDM)
KGC-0500	GbE Switch	GbE, FE
KGS-1060	GbE Switch	GbE, FE (DDM)
KGS-1064	GbE Switch	GbE, FE (DDM)
KGS-1260	GbE Switch	GbE, FE (DDM)
KGD-600-C	GbE Switch	GbE, FE (DDM)
KGS-2461	GbE Switch	GbE, FE (DDM)
KFS-2621	FE Switch	GbE
KGS-0820	FE Switch	GbE, FE (DDM)
KSD-541-HP	FE Switch	FE (Industrial)
KGC-300	GbE MC	GbE
KGC-310M-C	GbE MC	GbE, FE
KGC-320-HP	GbE MC	GbE, FE
KGC-352	GbE MC	GbE
KGC-200	GbE MC	GbE, FE
KCD-400	GbE MC	GbE (Industrial)
KGC-460	GbE MC	GbE, FE (Industrial, DDM)
KGC-260	GbE MC	GbE, FE (Industrial, DDM)
KGC-240	GbE MC	GbE, FE (Industrial, DDM)
KGC-311	MC	GbE, FE
KG-500F-B	GbE NIC	GbE

MC: media Converter
NIC: Network interface card

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SFP-GLS-CxxW80-A	Tx: 1xx0nm (1470-1610nm)	0 ~ 5	-30	-8
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BX10

SFP-GLS-BX10D-A	Tx: 1490nm Rx: 1310nm	-9 ~ -3	-21	-1
SFP-GLS-BX10U-A	Tx: 1310nm Rx: 1490nm	-9 ~ -3	-21	-1
SFP-GSS-BX10D-A	Tx: 1490nm Rx: 1310nm	-9 ~ -3	-21	-1
SFP-GSS-BX10U-A	Tx: 1310nm Rx: 1490nm	-9 ~ -3	-21	-1

Fast Ethernet SFP Fiber Transceivers:

Part No.	Wavelength	Tx Power	Rx Sens.	Rx Max.
SFP-FC-M-A	1310nm	-20 ~ -14	-31	-8
SFP-FC-M5-A	1310nm	-9 ~ 0	-30	0
SFP-FC-S30-A	1310nm	-15 ~ -8	-34	0
SFP-FCD-S30-A	1310nm	-15 ~ -8	-32	0
SFP-FCD-S30-A2	1310nm	-15 ~ -8	-34	0
SFP-FC-S60-A	1310nm	-5 ~ 0	-35	0
SFP-FC-S100-A	1550nm	-5 ~ 0	-35	0
SFP-FCD-S100-A	1550nm	-5 ~ 0	-35	0
SFP-FC-M-A-A	1310nm	-20 ~ -14	-31	-8
SFP-FC-S10A-AV	1310nm	-15 ~ -8	-23	-8
SFP-FC-S30A-A	1310nm	-15 ~ -8	-34	0

WDM

SFP-FC-W3520-A	Tx: 1310nm Rx: 1550nm	-14 ~ -8	-32	0
SFP-FC-W5320-A	Tx: 1550nm Rx: 1310nm	-14 ~ -8	-32	0
SFP-FC-W3540A-A	Tx: 1310nm Rx: 1550nm	-8 ~ 0	-34	0
SFP-FC-W5340A-A	Tx: 1550nm Rx: 1310nm	-8 ~ 0	-34	0
SFP-FCD-W3540A-A	Tx: 1310nm Rx: 1550nm	-8 ~ 0	-34	0
SFP-FCD-W5340A-A	Tx: 1550nm Rx: 1310nm	-8 ~ 0	-34	0

BX10

SFP-FSC-BX10D-A	Tx: 1550nm Rx: 1310nm	-14 ~ -8	-32	0
SFP-FSC-BX10U-A	Tx: 1310nm Rx: 1550nm	-14 ~ -8	-32	0