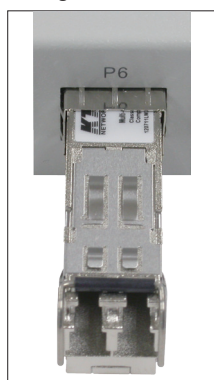


SFP Fiber Transceivers

SFP Fiber Transceivers



Plug in SFP Port



- * GbE: Gigabit Ethernet
- * FE: Fast Ethernet
- * DDM: Digital Diagnostics Monitoring function
- *1: OM1 MMF 33m
OM2 MMF 82m
OM3 MMF 300m
OM4 MMF 400m
- *2: OM1 MMF 75m
OM2 MMF 160m
OM3 MMF 400m
OM4 MMF 500m
- *3: Corning fiber 2km tested

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.	Speed	Connectors	Ref. Fiber Distance	Operating Temperature	DDM
SFP-10G-SR-A	10G	LC	MMF 300m ^{*1}	-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	✓

2.5G SFP Fiber Transceivers:

Part No.	Speed	Connectors	Ref. Fiber Distance	Operating Temperature	DDM
SFP-2.5GD-M-A-A	2.5G	LC	MMF 400m ^{*2}	-40°C ~ 85°C	✓
SFP-2.5GD-S5A-A	2.5G	LC	SMF 5km	-40°C ~ 85°C	✓
SFP-2.5GD-S20A-A	2.5G	LC	SMF 20km	-40°C ~ 85°C	✓

Gigabit SFP Fiber Transceivers:

Part No.	Speed	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 ^{*3} (MMF 62.5/125 μm)	0°C ~ 70°C	
SFP-GLMD-A -1310	GbE	LC	1km ~ 2km ^{*3} (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-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 ^{*2} (MMF 62.5/125 μm)	-40°C ~ 85°C	
SFP-GLMD-A-A -1310	GbE	LC	1km ~ 2km ^{*2} (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	
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-GLS-70A-A	GbE	LC	SMF 70km	-40°C ~ 85°C	
SFP-GLSD-70A-A	GbE	LC	SMF 70km	-40°C ~ 85°C	✓
SFP-GLSD-110A-A	GbE	LC	SMF 110km	-40°C ~ 85°C	✓

WDM

SFP-GLMD-W35-A	GbE	LC	Bi-Di MMF 550m	0°C ~ 70°C	✓
SFP-GLMD-W53-A	GbE	LC	Bi-Di MMF 550m	0°C ~ 70°C	✓
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	

Fast Ethernet SFP Fiber Transceivers:

Part No.	Speed	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-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	✓

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

2.5G SFP Fiber Transceivers:

Part No.	Wavelength	Tx Power	Rx Sens.	Rx Max.
SFP-2.5G-M-A-A	850nm	-7.5 ~ -1	-13.5	0
SFP-2.5G-S5A-A	1310nm	-9 ~ -3	-15	-3
SFP-2.5G-S20A-A	1310nm	-5 ~ 0	-16	0

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	-1

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-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
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	-1
SFP-GLSD-50A-A	1550nm	-4 ~ 1	-24	-1
SFP-GLS-70A-A	1550nm	0 ~ 5	-24	-3
SFP-GLSD-70A-A	1550nm	0 ~ 5	-24	-1
SFP-GLSD-110A-A	1550nm	0 ~ 5	-30	-8

WDM

SFP-GLMD-W35-A	Tx: 1310nm Rx: 1550nm	-8 ~ 0	-18	0
SFP-GLMD-W53-A	Tx: 1550nm Rx: 1310nm	-8 ~ 0	-18	0
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



Applications:

Model	Product	SFP Ports
KGS-2422-TG	10G Switch	10G, GbE (DDM)
KTGC-221	10G MC	10G, 2.5G, 1G (DDM)
KTGC-200	10G MC	10G, 2.5G, 1G
KGS-2422-B	GbE Switch	GbE, FE
KGS-810F-B	GbE Switch	GbE (DDM)
KGS-510F-D	GbE Switch	GbE, FE (DDM)
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)
KSD-541-HP	FE Switch	FE (Industrial)
KGC-300	GbE MC	GbE
KGC-310M-C	GbE MC	GbE, FE
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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This information is subject to change without prior notice.

SFP-GLS-W3540A-A	Tx: 1310nm Rx: 1510nm	-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
SFP-GLS-CxxW80-A	Tx: 1xx0nm (1470~1610nm)	0 ~ 5	-30	-8

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

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