

# Multi-Gigabit SFP Modules

## Overview

Wi-Tek SFP Modules are introduced to extend transferring distance. Inserted into our managed switches, they can extend the long distances up to 20KM, which basically meets the distance demand for LAN. Users choose the SFP modules based on their real and specific demands.

## Features

### • Multi-Gigabit Speed Options as Your Needs

- WI-SFP10LC-2.5G-20KM (SMF, Simplex LC, 2.5G, 20km, A: Tx1310nm/Rx1550nm B: Tx1550nm/Rx1310nm, DDM)
- WI-SFP10LC-10G-20KM (SMF, Simplex LC, 10G SFP+ LR, 20km, A:Tx1330nm/Rx1270nm B:Tx1270nm/Rx1330nm, DDM)
- WI-SFP20-2.5G-20KM (SMF, Duplex LC, 2.5G, 20km, 1310nm, DDM)
- WI-SFP21L-550(MMF, Duplex LC, 1.25G, 550m, 850nm, DDM)
- WI-SFP10SC-3KM (SMF, Simplex SC, 1.25G, 3km, A: Tx1310/Rx 1550nm, B: Tx:1550/Rx1310nm, DDM)
- WI-SFP10LC-3KM (SMF, Simplex LC, 1.25G, 3km, A: Tx1310/Rx 1550nm, B: Tx:1550/Rx1310nm, DDM)
- WI-SFP10SC-20KM (SMF, Simplex SC, 1.25G, 20km, A: Tx1310/Rx 1550nm, B: Tx:1550/Rx1310nm, DDM)
- WI-SFP10LC-20KM (SMF, Simplex LC, 1.25G, 20km, A: Tx1310/Rx 1550nm, B: Tx:1550/Rx1310nm, DDM)
- WI-SFP20-20KM (SMF, Duplex LC, 1.25G, 20km, 1310nm, DDM)
- WI-SFP20-10G-20KM (SMF, Duplex LC, 10G SFP+, 20km, 1310nm, DDM)
- WI-SFP30 (1G SFP to Rj45 Module, 100m)
- WI-SFP30-10G (10G SFP+ to Rj45 Module, 100m)

- **Plug and Play, Zero Configuration**
- **Hot Pluggable**
- **Digital Diagnostic Monitoring for Strong Diagnostic Capabilities**
- **High Compatibility**
- **Lower Power Consumption**
- **Withstand Harsh Environment Conditions with Temperature: 0°C~70°C (32°F~158°F)**

# Specifications



Model	WI-SFP10LC-2.5G-20KM	WI-SFP10LC-10G-20KM	WI-SFP20-2.5G-20KM	WI-SFP21L-550
Data Rate	2.5Gbps	10Gbps	2.5Gbps	1.25Gbps
Max. Cable Length	20KM			550M
Wavelength	A: Tx1310nm/Rx1550nm B: Tx1550nm/Rx1310nm	A:Tx1270nm/Rx1330nm B:Tx1330nm/Rx1270nm	1310nm	850nm
Transmitter Type	DFB			VCSEL
Receiver Type	PIN/TIA			
Tx Power	-6~0dBm	-6~1dBm	-6~0dBm	-9~-3dBm
Receiver Sensitivity	<-22dBm	<-14dBm	<-18dBm	<-18dBm
Power Consumption	≤1W	≤1W	≤1W	≤1W
Power Supply	3.3V			
Fiber Type	Single-Mode			Multi-Mode
Connector	Simplex LC		Duplex LC	
DDM	Supported			
Protocol	SFP MSA Compliant, ITU-T G.957	MSA SFF-8472, MSA SFF-8431, IEEE 802.3ae-2002	SFP MSA Compliant	SFP MSA.MSA SFF-8472. IEEE 802.3Z
Others				
Certification	CE, FCC, UKCA, RoHS, RCM			
MTBF	/	/	/	1000000 H
Environment	Operating Temperature: 0°C ~ 70°C (32°F ~ 158°F) Storage Temperature: -40°C ~ 85°C (-40°F ~ 185°F) Operating Humidity: 10% ~ 90% non-condensing Storage Humidity: 5% ~ 90% non-condensing			



Model	WI-SFP10SC-3KM	WI-SFP10LC-3KM	WI-SFP10SC-20KM	WI-SFP10LC-20KM
Data Rate	1.25Gbps			
Max. Cable Length	3km		20km	
Wavelength	A: Tx1310nm/Rx1550nm B: Tx1550nm/Rx1310nm			
Transmitter Type	FP		DFB	
Receiver Type	PIN/TIA			
Tx Power	-9~-3dBm			
Receiver Sensitivity	<-21dBm		<-22dBm	
Power Consumption	≤1W			
Power Supply	3.3V			
Fiber Type	Single-Mode			
Connector	Simplex SC	Simplex LC	Simplex SC	Simplex LC
Protocol	SFP MSA Compliant, MSA SFF-8472, IEEE802.3ah			
Others				
Certification	CE, FCC, UKCA, RoHS, RCM			
Environment	Operating Temperature: 0°C ~ 70°C (32°F ~ 158°F) Storage Temperature: -40°C ~ 80°C (-40°F ~ 176°F) Operating Humidity: 10%~90% non-condensing Storage Humidity: 5%~90% non-condensing			



Model	WI-SFP20-20KM	WI-SFP20-10G-20KM	WI-SFP30	WI-SFP30-10G
Data Rate	1.25Gbps	10Gbps	1Gbps	10Gbps
Max. Cable Length	20km		100BASE-TX: UTP cat .5 or above (max. 100m) 1000BASE-T: UTP cat.5e or above (max. 100m)	100BASE-Tx: UTP CAT.5E or above (max. 100m) 1000BASE-T: UTP CAT.5E or above (max. 100m) 2.5GBASE-T: UTP CAT.5E or above (max. 100m) 5GBASE-T : UTP CAT.5E or above (max. 80m) 10GBASE-T: UTP CAT.6A or above (max. 50m)
Wavelength	1310nm		/	
Transmitter Type	FP	DFB		
Receiver Type	PIN/TIA			
Tx Power	-9~-3dBm		/	/
Receiver Sensitivity	<-22dBm	<-14dBm	/	/
Power Consumption	≤1W	≤1W	≤0.5W	≤2W
Power Supply	3.3V			
Media	Single-Mode		Ethernet RJ45 Port	
Connector	Duplex LC		RJ-45 Port	
DDM	Supported		Not Supported	
Protocol	SFP MSA Compliant, MSA SFF-8472, IEEE802.3Z	MSA SFF-8472, MSA SFF-8431, IEEE 802.3ae-2002	SFP MSA, IEEE802.3 Gigabit Ethernet	SFP+ MSA, IEEE802.3an
Others				
Certification	CE, FCC, UKCA, RoHS, RCM			
MTBF	/	/	911743 H	/
Environment	Operating Temperature: 0°C ~ 70°C (32°F ~ 158°F) Storage Temperature: -40°C ~ 80°C (-40°F ~ 176°F) Operating Humidity: 10% ~ 90% non-condensing Storage Humidity: 5% ~ 90% non-condensing			



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Technical Support



Cloud Management



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