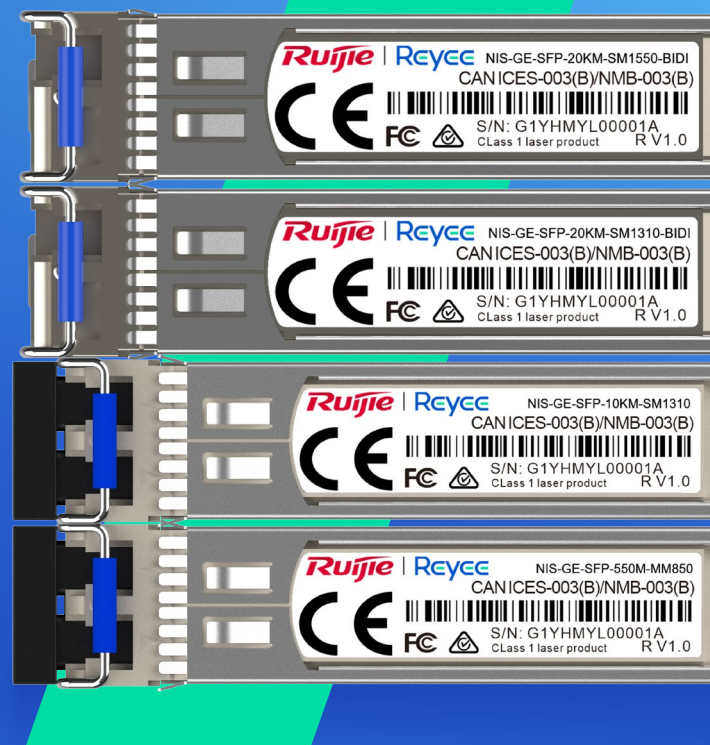# SFP Transceiver Module
NIS-GE-SFP Series

DATASHEET

/ Highlights

- Small Form-Factor Pluggable (SFP) transceiver modules include fiber SFP modules and copper SFP modules.

- An SFP module is an input/output (I/O) device that supports hot swapping.

- When inserted into an Ethernet interface, the SFP module can connect the port to an optical network.

- An SFP module can be considered as a small Gigabit Interface Converter (GBIC), which is why it is also called a mini-GBIC module.

Specifications

		Basic		
Model		**NIS-GE-SFP-550M-MM850**	**NIS-GE-SFP-10KM-SM1310**	**NIS-GE-SFP-20KM-SM1310-BIDI**	**NIS-GE-SFP-20KM-SM1550-BIDI**
Standard		Short wavelength	Long wavelength/ Long distance	Long wavelength/ Long distance	Long wavelength/ Long distance
Rate		1000 Mbps	1000 Mbps	1000 Mbps	1000 Mbps
Wavelength (nm)		850	1310	TX: 1310 RX: 1550	TX: 1550 RX: 1310
Fiber Type		MMF	SMF	SMF	SMF
DDM (Yes/No)		Yes	Yes	Yes	Yes
Transmitter Power (dBm)	Min.	–9.5	–9.5	–9	–9
	Max.	–3	–3	–3	–3
Receiver Power (dBm)	Min.	–17	–20	–22	–22
	Max.	0	–3	–3	–3
Connector Type		L/C	L/C	L/C	L/C
Core Size (µm)		50/125	9/125	9/125	9/125
Max. Cabling Distance		550 m (1640.42 ft)	10 km (32808.40 ft)	20 km (65616.80 ft)	20 km (65616.80 ft)
Operating Temperature		–40 to +85°C (–40 to +185°F)			
Storage Temperature		–40 to +85°C (–40 to +185°F)			
Relative Humidity		10% RH to 90% RH (non-condensing)			

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