



Compatible SFP modules for WV-X65F1(-W), WV-S25F1 and WJ-PU201F/G

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Compatible SFP modules

Updates written in red

■ 1000Mbps support

Applicable models: **WV-X65F1**, **WV-X65F1-W**, **WV-S25F1** and **WJ-PU201F/G**

Model No.	Cable type	Connector Type	TX wavelength	Reach	Operating Temperature
GLC-SX-MM-RGD(CISCO)	MMF	Dual-LC	850nm	500m	-40-85°C (Industrial type)
GLC-LX-SM-RGD(CISCO)	SMF / MMF	Dual-LC	1310nm	10km(SMF)	-40-85°C (Industrial type)

■ 100Mbps support

Applicable models: **WV-X65F1**, **WV-X65F1-W** and **WV-S25F1**

Model No.	Cable type	Connector Type	TX wavelength	Reach	Operating Temperature
GLC-FE-100FX-RGD(CISCO)	MMF	Dual-LC	1310nm	2km	-40-85°C (Industrial type)
GLC-FE-100LX-RGD(CISCO)	SMF	Dual-LC	1310nm	10km	-40-85°C (Industrial type)



GLC-LX-SM-RGD(CISCO)

Notes:

1. The operating temperature ranges are different between the SFP module and this machine.
2. Select an SFP module according to installation environment.
(Operating temperature range of WV-X65F1 and WV-S25F1: -40 °C to 60 °C)
3. LC connector should be selected LC Duplex connector type (not Removal Clip Type connector).

Compatible SFP modules

- Features of single mode fiber (SMF)

The single mode is an extremely thin mode field diameter of $9.2\ \mu\text{m}$, and attenuation is minimized by making the propagation of the optical signal into one mode.

Unlike transmission methods using many modes, such as MMF, there is no mode loss since the signal has only one arrival time.

Therefore, it is suitable for long distance and high speed transmission.

It is often used for long-distance LANs, and it is possible to lay ultra-long distances such as transmission distances of 1 to 10 km or more, but fiber connection is difficult.

The disadvantage is that the network equipment is limited and the network equipment is limited and expensive.

- Characteristics of Multimode Fiber (MMF)

In multi mode, core diameters of $50\ \mu\text{m}$ and $62.5\ \mu\text{m}$ are adopted, and optical signals are transmitted in a plurality of modes, so that the arrival time of the signals deviates, mode distribution occurs.

Because modal dispersion causes data loss, long distance and high speed transmission like SMF is unsuitable.

Since the transmission distance is 550 m or less, it is generally used as a local optical cable. Easy connection of optical fiber,

Since the network devices can be inexpensively arranged, they have many advantages for premises use.



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