data delivered

Product Description

The SFP module range provides true flexibility to the KBC range of SFP-based industrial Ethernet switches. Modules are available for twisted pair and both multimode and singlemode optical fiber.

Specifications

Standards
IEEE Standard   1000BASE-T, 1000BASE-SX, 1000BASE-LX
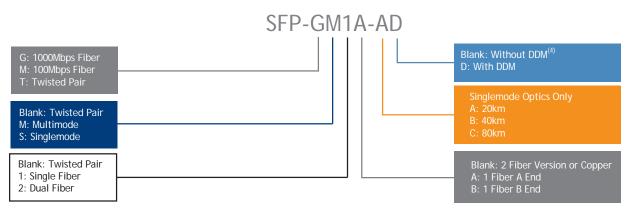   1000BASE-XD, 1000BASE-ZX 100BASE-FX

Environmental

Operating Temperature	-40°C ~ +74°C / -40°C ~ +165°F
Storage Temperature	-40°C ~ +85°C / -40°C ~ +185°F
Operating Humidity	0 to 95% non-condensing

Connectors
10/100/1000 Electrical
100 Optical
1000 Optical

Part Number Configurator

SFP-GM1A-AD

- G: 1000Mbps Fiber
- M: 100Mbps Fiber
- T: Twisted Pair

- Blank: Twisted Pair
- M: Multimode
- S: Singlemode

- Blank: Twisted Pair
- 1: Single Fiber
- 2: Dual Fiber

- Blank: Without DDM[4]
- D: With DDM

- Singlemode Optics Only
- A: 20km
- B: 40km
- C: 80km

- Blank: 2 Fiber Version or Copper
- A: 1 Fiber A End
- B: 1 Fiber B End

Part Code	Fiber Type	No.	Connector	Wavelength (nm)	Approx. Transmission Distance	Min Transit Power (dB)	Max Receiver Power (dB)	Optical Budget (dB)
SFP-T	NA	NA	RJ45	NA	0~100m	NA	NA	NA
SFP-MM2	Multimode	2	LC[2]	1310	0~2km	-20	-32	12
SFP-MS2-B	Singlemode	2	LC[2]	1310	0~40km	-7	-32	25
SFP-GM2	Multimode	2	LC[2]	850	0~550m[3]	-9	-17	8
SFPV-GS2-A	Singlemode	2	LC[2]	1310	0~20km	-9	-20	11
SFP-GS1*-A	Singlemode	1	SC[2]	1310/1550	0~20km	-9	-20	11
SFP-GS1*-B	Singlemode	1	SC[2]	1310/1550	0~40km	-5	-24	19
SFP-GS1*-C	Singlemode	1	SC[2]	1310/1550	0~80km	0	-26	26

1. Transmission distance is limited by optical loss of the fiber and loss introduced by connectors, splices and patch panels. Fiber bandwidth also limits the transmission distance.
2. LC connectors only on 2 fiber interface, SC only on 1 fiber interface
3. 550m transmission distance for 50/125µ fiber, @220m for 62.5/125µ fiber
4. DDM is available upon request