

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 for multimode and singlemode optical fiber. Optical modules include Digital Diagnostics Monitoring (DDM).



Specifications

Standards	100BASE-T, 1000BASE-T 1000BASE-SX, 1000BASE-LX, 1000BASE-XD, 1000BASE-ZX, 100BASE-FX, 10GBase-FX	Power	Power Consumption	<1 Watt
DDM	SFP-8472 MSA	Environmental	Operating Temperature	-40 °C ~ +74 °C / -40 °C ~ +165 °F
10G Optical Modules	SFP+ Electrical MSA SFF-8431	Storage Temperature	Operating Humidity	-40 °C ~ +85 °C / -40 °C ~ +185 °F 0 to 95% non-condensing
Maximum Data Rate		Connectors	Ethernet	RJ45
100M Optical Modules	155Mbps	Optical		LC
1G Optical Modules	1.25Gbps			
10G Optical Modules	11.3Gbps			

Ordering Information

Part Code	Data Rate (Mbps)	Transmission Medium		TX λ (nm)	RX λ (nm)	Connector	Approximate Transmission Distance ^{(1) (2)}
		Type	No.				
SFPV-MT ^{(3) (4)}	100	Copper	NA	NA	NA	RJ45	0~100m
SFPV-GT ^{(3) (4)}	1000	Copper	NA	NA	NA	RJ45	0~100m
SFP-NM2-D	10G	Multimode	2	850	850	LC	0~300m
SFP-MM2-D	100	Multimode	2	1310	1310	LC	0~2km
SFPV-MM1A-D	100	Multimode	1	1310	1550	LC	0~2km
SFPV-MM1B-D	100	Multimode	1	1550	1310	LC	0~2km
SFP-MS2-AD	100	Singlemode	2	1310	1310	LC	0~20km
SFP-MS2-BD	100	Singlemode	2	1310	1310	LC	0~40km
SFP-MS1A-AD	100	Singlemode	1	1310	1550	LC	0~20km
SFP-MS1B-AD	100	Singlemode	1	1550	1310	LC	0~20km
SFP-MS1A-BD	100	Singlemode	1	1310	1550	LC	0~40km
SFP-MS1B-BD	100	Singlemode	1	1550	1310	LC	0~40km
SFP-MS1A-CD	100	Singlemode	1	1310	1550	LC	0~80km
SFP-MS1B-CD	100	Singlemode	1	1550	1310	LC	0~80km
SFP-GM2-D	1000	Multimode	2	850	850	LC	0~500m
SFPN-GM2-1310	1000	Multimode	2	1310	1310	LC	0~2km
SFP-GS2-AD	1000	Singlemode	2	1310	1310	LC	0~20km
SFP-GS2-BD	1000	Singlemode	2	1310	1310	LC	0~40km
SFP-GS1A-AD	1000	Singlemode	1	1310	1550	LC	0~20km
SFP-GS1B-AD	1000	Singlemode	1	1550	1310	LC	0~20km
SFP-GS1A-BD	1000	Singlemode	1	1310	1550	LC	0~40km
SFP-GS1B-BD	1000	Singlemode	1	1550	1310	LC	0~40km
SFP-GS1A-BD-1310/1490	1000	Singlemode	1	1310	1490	LC	0~40km
SFP-GS1B-BD-1490/1310	1000	Singlemode	1	1490	1310	LC	0~40km
SFP-GS1A-CD	1000	Singlemode	1	1490	1550	LC	0~80km
SFP-GS1B-CD	1000	Singlemode	1	1550	1490	LC	0~80km

SFP-NS2-ND	10000	Singlemode	2	1310	1310	LC	0~10km
SFP-NS2-AD	10000	Singlemode	2	1310	1310	LC	0~20km
SFP-NS2-BD	10000	Singlemode	2	1550	1550	LC	0~40km
SFP-NS2-CD	10000	Singlemode	2	1550	1550	LC	0~80km
SFP-NS1A-ND	10000	Singlemode	1	1270	1330	LC	0~10km
SFP-NS1B-ND	10000	Singlemode	1	1330	1270	LC	0~10km
SFP-NS1A-AD	10000	Singlemode	1	1270	1330	LC	0~20km
SFP-NS1B-AD	10000	Singlemode	1	1330	1270	LC	0~20km
SFP-NS1A-BD	10000	Singlemode	1	1270	1330	LC	0~40km
SFP-NS1B-BD	10000	Singlemode	1	1330	1270	LC	0~40km

1. Transmission distance is limited by the optical loss of the fiber and loss introduced by connectors, splices and patch panels. Fiber bandwidth also limits the transmission distance.
2. Please contact KBC for the availability of a longer distance version.
3. Work with SerDes interface only.
4. No DDM.

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