

1G Ethernet SFP DWDM Family

1 GbE | SFP | Digital Diagnostic Monitoring

1. Product overview

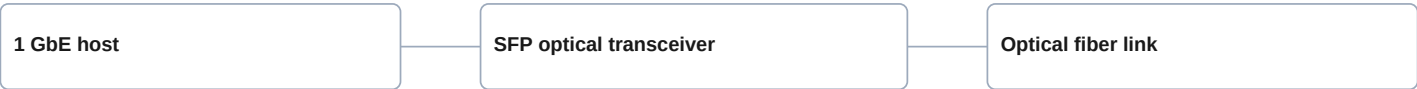
The GLOBALfiber 1G Ethernet SFP DWDM Family comprises 3 optical variants for 1 Gigabit Ethernet. Digital Diagnostic Monitoring (DDM) is specified for every ordering variant. Select the product according to fiber type, wavelength and the stated optical power budget.

2. Key features

- SFP form factor for 1 Gigabit Ethernet
- DDM specified across the ordering range
- Operating temperature: 0 to 70 °C
- Stated ordering reaches: 40km, 80km, 120km
- DWDM C-band variants

3. Applications

1 Gigabit Ethernet optical links using the fiber types and wavelengths specified for each product. Match the chosen module to the intended optical link and operating temperature.



4. Technical data

Parameter	Specification
Service / form factor	1 Gigabit Ethernet / SFP
Optical variants	3
Fiber types in optical table	SM
Digital monitoring	DDM
Optical connector	Not specified
Ordering reaches	40km, 80km, 120km

5. Recommended operating conditions

Operating temperature	0 to 70 °C
Supply voltage	Not specified
Power dissipation	Not specified
Storage temperature	Not specified

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6. Optical characteristics

Product number	Fiber	Wavelength*	TX (dBm)	RX sensitivity (dBm)	Budget (dB)
S1G-L40D-CHxx	SM	DWDM C-band	-3 to 2	<-24	19
S1G-L80D-CHxx	SM	DWDM C-band	0 to 4	<-23	23
S1G-L120D-CHxx	SM	DWDM C-band	0 to 5	<-32	32

All rows: 0 to 70 °C. *Wavelengths are in nm unless identified as DWDM C-band. Receiver sensitivity notation and all numerical limits are retained as supplied.

7. Digital diagnostics and management

Digital Diagnostic Monitoring (DDM) is listed for all ordering variants. Monitoring accuracy, alarm thresholds and management-interface details are not specified.

8. Safety and regulatory

Laser-safety classification, regulatory certifications and standards-compliance declarations are not specified.

9. Ordering information

Product number	Description
S1G-L40D-CHxx	SFP, 1 GbE, DWDM, DDM, 40km, 19dB, SM
S1G-L80D-CHxx	SFP, 1 GbE, DWDM, DDM, 80km, 23dB, SM
S1G-L120D-CHxx	SFP, 1 GbE, DWDM, DDM, 120km, 32dB, SM

Product number prefixes updated to S1G; technical values and suffixes retained. Source date: 20 October 2024. Source discrepancies are documented in the accompanying comments file.