SFP Fiber Transceiver

SFP Fiber Transceiver Series

SFP Selector

ETHERWAN / PRODUCT SELECTION · V1.2.0

Find an SFP transceiver

Filter the published EtherWAN models by speed, fiber type, reach and operating conditions. Check the current specification before specifying a model.

Data rate
Media
Connector
Temperature
Minimum reach
☐ DDM only**68** models Clear filters

SFPMXT1AC

100M

Copper · RJ45

MAX. LISTED REACH**100 m**
Details

Fiber / cable: Cat. 5 or better

Ask about SFPMXT1AC →

EX-LM38-A3S-TC-N-B3

100M

Multimode · Single LC

MAX. LISTED REACH**2 km**
Details

Fiber / cable: 62.5/125µm/50/125µm, MM

Wavelength: TX 1310 / RX 1550 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-LM38-A3S-TC-N-B3 →

EX-LM48-A3S-TC-N-B5

100M

Multimode · Single LC

MAX. LISTED REACH**2 km**
Details

Fiber / cable: 62.5/125µm/50/125µm, MM

Wavelength: TX 1550 / RX 1310 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-LM48-A3S-TC-N-B5 →

EX-0155TBP-MB5L

100M

Single-mode · Single LC

MAX. LISTED REACH**20 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: TX 1310 / RX 1550 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-0155TBP-MB5L →

EX-0155TBP-LB5L

100M

Single-mode · Single LC

MAX. LISTED REACH**20 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: TX 1550 / RX 1310 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-0155TBP-LB5L →

SFPMIM02C

100M

Multimode · Duplex LC · DDM

MAX. LISTED REACH**2 km**
Details

Fiber / cable: 62.5/125µm/50/125µm, MM

Wavelength: 1310nm

Ask about SFPMIM02C →

SFPMSS15C

100M

Single-mode · Duplex LC

MAX. LISTED REACH**15 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: 1310nm

Ask about SFPMSS15C →

EX-0155TSP-MB6L

100M

Single-mode · Duplex LC

MAX. LISTED REACH**40 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: 1310nm

Ask about EX-0155TSP-MB6L →

EX-LM38-A3S-TI-N-B3

100M

Multimode · Single LC · −40 to 85°C

MAX. LISTED REACH**2 km**
Details

Fiber / cable: 62.5/125µm/50/125µm, MM

Wavelength: TX 1310 / RX 1550 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-LM38-A3S-TI-N-B3 →

EX-LM48-A3S-TI-N-B5

100M

Multimode · Single LC · −40 to 85°C

MAX. LISTED REACH**2 km**
Details

Fiber / cable: 62.5/125µm/50/125µm, MM

Wavelength: TX 1550 / RX 1310 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-LM48-A3S-TI-N-B5 →

SFPMYS20M

100M

Single-mode · Single LC · DDM · −40 to 85°C

MAX. LISTED REACH**20 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: TX 1310 / RX 1550 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about SFPMYS20M →

SFPMZS20M

100M

Single-mode · Single LC · DDM · −40 to 85°C

MAX. LISTED REACH**20 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: TX 1550 / RX 1310 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about SFPMZS20M →

EX-0155TBP-MB6L-A

100M

Single-mode · Single LC · −40 to 85°C

MAX. LISTED REACH**40 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: TX 1310 / RX 1550 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-0155TBP-MB6L-A →

EX-0155TBP-KB6L-A

100M

Single-mode · Single LC · −40 to 85°C

MAX. LISTED REACH**40 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: TX 1550 / RX 1310 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-0155TBP-KB6L-A →

SFPMIM02M

100M

Multimode · Duplex LC · DDM · −40 to 85°C

MAX. LISTED REACH**2 km**
Details

Fiber / cable: 62.5/125µm/50/125µm, MM

Wavelength: 1310nm

Ask about SFPMIM02M →

SFPMIS20M

100M

Single-mode · Duplex LC · DDM · −40 to 85°C

MAX. LISTED REACH**20 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: 1310nm

Ask about SFPMIS20M →

EX-0155TSP-MB6L-A

100M

Single-mode · Duplex LC · −40 to 85°C

MAX. LISTED REACH**40 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: 1310nm

Ask about EX-0155TSP-MB6L-A →

EX-1250TBP-MB1LS

1G

Multimode · Single LC

MAX. LISTED REACH**550 m**
Details

Fiber / cable: 62.5/125µm/50/125µm, MM

Wavelength: TX 1310 / RX 1550 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-1250TBP-MB1LS →

EX-1250TBP-LB1LS

1G

Multimode · Single LC

MAX. LISTED REACH**550 m**
Details

Fiber / cable: 62.5/125µm/50/125µm, MM

Wavelength: TX 1550 / RX 1310 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-1250TBP-LB1LS →

EX-1250TBP-MB4LS

1G

Single-mode · Single LC

MAX. LISTED REACH**10 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: TX 1310 / RX 1550 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-1250TBP-MB4LS →

EX-1250TBP-KB4LS

1G

Single-mode · Single LC

MAX. LISTED REACH**10 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: TX 1550 / RX 1310 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-1250TBP-KB4LS →

EX-1250TBP-MB5LS

1G

Single-mode · Single LC

MAX. LISTED REACH**20 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: TX 1310 / RX 1550 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-1250TBP-MB5LS →

EX-1250TBP-KB5LS

1G

Single-mode · Single LC

MAX. LISTED REACH**20 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: TX 1550 / RX 1310 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-1250TBP-KB5LS →

EX-LS38-C3L-TC-N-CE

1G

Single-mode · Single LC · DDM

MAX. LISTED REACH**40 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: TX 1310 / RX 1550 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-LS38-C3L-TC-N-CE →

EX-LS48-C3L-TC-N-CE

1G

Single-mode · Single LC · DDM

MAX. LISTED REACH**40 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: TX 1550 / RX 1310 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-LS48-C3L-TC-N-CE →

EX-LS38-C3U-TC-N-CE

1G

Single-mode · Single LC · DDM

MAX. LISTED REACH**60 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: TX 1310 / RX 1550 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-LS38-C3U-TC-N-CE →

EX-LS48-C3U-TC-N-CE

1G

Single-mode · Single LC · DDM

MAX. LISTED REACH**60 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: TX 1550 / RX 1310 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-LS48-C3U-TC-N-CE →

SFPGIM5AC

1G

Multimode · Duplex LC · DDM

MAX. LISTED REACH**275 / 550 m**
Details

Fiber / cable: 62.5/125µm, MM 50/125µm, MM

Wavelength: 850nm

Reach depends on fiber grade; check the specification table.

Ask about SFPGIM5AC →

SFPGIM02C

1G

Multimode · Duplex LC · DDM

MAX. LISTED REACH**1 / 2 km**
Details

Fiber / cable: 50/125µm, MM 62.5/125µm, MM

Wavelength: 1310nm

Reach depends on fiber grade; check the specification table.

Ask about SFPGIM02C →

EX-1250TSP-MB4LS

1G

Single-mode · Duplex LC

MAX. LISTED REACH**10 km**
Details

Fiber / cable: 9/125 µm, SM

Wavelength: 1310nm

Ask about EX-1250TSP-MB4LS →

SFPGIS10C

1G

Single-mode · Duplex LC · DDM

MAX. LISTED REACH**10 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: 1310nm

Ask about SFPGIS10C →

EX-1250TSP-MB5LS

1G

Single-mode · Duplex LC

MAX. LISTED REACH**20 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: 1310nm

Ask about EX-1250TSP-MB5LS →

EX-LS38-C3L-TC-N-EB

1G

Single-mode · Duplex LC · DDM

MAX. LISTED REACH**40 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: 1310nm

Ask about EX-LS38-C3L-TC-N-EB →

EX-LS48-C3U-TC-N-EB

1G

Single-mode · Duplex LC · DDM

MAX. LISTED REACH**70 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: 1550nm

Ask about EX-LS48-C3U-TC-N-EB →

SFPGIS90C

1G

Single-mode · Duplex LC · DDM

MAX. LISTED REACH**90 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: 1550nm

Ask about SFPGIS90C →

SFPGXT1AM

1G

Copper · RJ45 · −40 to 85°C

MAX. LISTED REACH**100 m**
Details

Fiber / cable: Cat. 5 or better

Ask about SFPGXT1AM →

EX-1250TBP-MB1L-AS

1G

Multimode · Single LC · −40 to 85°C

MAX. LISTED REACH**550 m**

Details

Fiber / cable: 62.5/125µm/50/125µm, MM

Wavelength: TX 1310 / RX 1550 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-1250TBP-MB1L-AS →

EX-1250TBP-LB1L-AS

1G

Multimode · Single LC · −40 to 85°C

MAX. LISTED REACH**550 m**
Details

Fiber / cable: 62.5/125µm/50/125µm, MM

Wavelength: TX 1550 / RX 1310 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-1250TBP-LB1L-AS →

EX-LM38-C3S-TI-N-CE

1G

Multimode · Single LC · DDM · −40 to 85°C

MAX. LISTED REACH**550 m**
Details

Fiber / cable: 62.5/125µm, MM

Wavelength: TX 1310 / RX 1550 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-LM38-C3S-TI-N-CE →

EX-LM48-C3S-TI-N-CE

1G

Multimode · Single LC · DDM · −40 to 85°C

MAX. LISTED REACH**550 m**

Details

Fiber / cable: 62.5/125µm, MM

Wavelength: TX 1550 / RX 1310 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-LM48-C3S-TI-N-CE →

EX-1250TBP-MB4L-AS

1G

Single-mode · Single LC · −40 to 85°C

MAX. LISTED REACH**10 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: TX 1310 / RX 1550 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-1250TBP-MB4L-AS →

EX-1250TBP-KB4L-AS

1G

Single-mode · Single LC · −40 to 85°C

MAX. LISTED REACH**10 km**
Details

Fiber / cable: 9/125µm, SM.

Wavelength: TX 1550 / RX 1310 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-1250TBP-KB4L-AS →

EX-1250TBP-MB5L-AS

1G

Single-mode · Single LC · −40 to 85°C

MAX. LISTED REACH**20 km**

Details

Fiber / cable: 9/125µm, SM

Wavelength: TX 1310 / RX 1550 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-1250TBP-MB5L-AS →

EX-1250TBP-KB5L-AS

1G

Single-mode · Single LC · −40 to 85°C

MAX. LISTED REACH**20 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: TX 1550 / RX 1310 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-1250TBP-KB5L-AS →

SFPGYS20M

1G

Single-mode · Single LC · DDM · −40 to 85°C

MAX. LISTED REACH**20 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: TX 1310 / RX 1550 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about SFPGYS20M →

SFPGZS20M

1G

Single-mode · Single LC · DDM · −40 to 85°C

MAX. LISTED REACH**20 km**

Details

Fiber / cable: 9/125µm, SM

Wavelength: TX 1550 / RX 1310 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about SFPGZS20M →

EX-LS38-C3L-TI-N-CE

1G

Single-mode · Single LC · DDM · −40 to 85°C

MAX. LISTED REACH**40 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: TX 1310 / RX 1550 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-LS38-C3L-TI-N-CE →

EX-LS48-C3L-TI-N-CE

1G

Single-mode · Single LC · DDM · −40 to 85°C

MAX. LISTED REACH**40 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: TX 1550 / RX 1310 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-LS48-C3L-TI-N-CE →

EX-LS38-C3U-TI-N-CE

1G

Single-mode · Single LC · DDM · −40 to 85°C

MAX. LISTED REACH**60 km**

Details

Fiber / cable: 9/125µm, SM

Wavelength: TX 1310 / RX 1550 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-LS38-C3U-TI-N-CE →

EX-LS48-C3U-TI-N-CE

1G

Single-mode · Single LC · DDM · −40 to 85°C

MAX. LISTED REACH**60 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: TX 1550 / RX 1310 nm

BiDi: verify the complementary TX/RX wavelength and paired module.

Ask about EX-LS48-C3U-TI-N-CE →

SFPGIM5AM

1G

Multimode · Duplex LC · DDM · −40 to 85°C

MAX. LISTED REACH**275 / 550 m**
Details

Fiber / cable: 62.5/125µm, MM 50/125µm, MM

Wavelength: 850nm

Reach depends on fiber grade; check the specification table.

Ask about SFPGIM5AM →

SFPGIM02M

1G

Multimode · Duplex LC · DDM · −40 to 85°C

MAX. LISTED REACH**1 / 2 km**

Details

Fiber / cable: 50/125µm, MM 62.5/125µm, MM

Wavelength: 1310nm

Reach depends on fiber grade; check the specification table.

Ask about SFPGIM02M →

SFPGIS10M

1G

Single-mode · Duplex LC · DDM · −40 to 85°C

MAX. LISTED REACH**10 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: 1310nm

Ask about SFPGIS10M →

SFPGIS20M

1G

Single-mode · Duplex LC · DDM · −40 to 85°C

MAX. LISTED REACH**20 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: 1310nm

Ask about SFPGIS20M →

SFPGIS40M

1G

Single-mode · Duplex LC · DDM · −40 to 85°C

MAX. LISTED REACH**40 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: 1310nm

Ask about SFPGIS40M →

SFPGIS70M

1G

Single-mode · Duplex LC · DDM · −40 to 85°C

MAX. LISTED REACH**70 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: 1550nm

Ask about SFPGIS70M →

SFP2IM2AM

2.5G

Multimode · Duplex LC · DDM · −40 to 85°C

MAX. LISTED REACH**160 / 400 / 500 m**
Details

Fiber / cable: OM2 (50/125µm, MM) OM3 (50/125µm, MM) OM4 (50/125µm, MM)

Wavelength: 850nm

Reach depends on fiber grade; check the specification table.

Ask about SFP2IM2AM →

SFP2IS20M

2.5G

Single-mode · Duplex LC · DDM · −40 to 85°C

MAX. LISTED REACH**20 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: 1310nm

Ask about SFP2IS20M →

SFP2XT1AM

2.5G

Copper · RJ45 · −40 to 85°C

MAX. LISTED REACH**100 m**
Details

Fiber / cable: Cat. 5A or better

Ask about SFP2XT1AM →

SFPTIM3AE

10G

Multimode · Duplex LC · DDM

MAX. LISTED REACH**300 m**
Details

Fiber / cable: 62.5/125µm/50/125µm, MM

Wavelength: 850nm

Ask about SFPTIM3AE →

SFPTIS10E

10G

Single-mode · Duplex LC · DDM

MAX. LISTED REACH**10 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: 1310nm

Ask about SFPTIS10E →

SFPTIS20C

10G

Single-mode · Duplex LC · DDM

MAX. LISTED REACH**20 km**

Details

Fiber / cable: 9/125µm, SM

Wavelength: 1310nm

Ask about SFPTIS20C →

SFPTIS40C

10G

Single-mode · Duplex LC · DDM

MAX. LISTED REACH**40 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: 1310nm

Ask about SFPTIS40C →

SFPTIM3AM

10G

Multimode · Duplex LC · DDM · −40 to 85°C

MAX. LISTED REACH**300 m**
Details

Fiber / cable: 62.5/125µm/50/125µm, MM

Wavelength: 850nm

Ask about SFPTIM3AM →

SFPTIS10M

10G

Single-mode · Duplex LC · DDM · −40 to 85°C

MAX. LISTED REACH**10 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: 1310nm

Ask about SFPTIS10M →

SFPTIS20M

10G

Single-mode · Duplex LC · DDM · −40 to 85°C

MAX. LISTED REACH**20 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: 1310nm

Ask about SFPTIS20M →

SFPTIS40M

10G

Single-mode · Duplex LC · DDM · −40 to 85°C

MAX. LISTED REACH**40 km**
Details

Fiber / cable: 9/125µm, SM

Wavelength: 1310nm

Ask about SFPTIS40M →

SFPTXT1AM

10G

Copper · RJ45 · −40 to 85°C

MAX. LISTED REACH**100 m**
Details

Fiber / cable: Cat.6a or above

Ask about SFPTXT1AM →
No exact match. Try removing a filter or searching a model number.
Show more models

Models and specifications reflect the EtherWAN product page as checked on 2026-09-22. A listed model may have multiple cable dependent reaches; verify its latest datasheet, optical budget, host compatibility and availability.

Specifications

Regulatory Compliance

Compliant with Multi-Sourcing Agreement (MSA) Small Form Factor Pluggable (SFP)
Eye Safety: Compliant with Class 1 laser safety requirements EN 60825-1
Environmental: RoHS compliant, lead-free

Warranty

Go to Warranty policy for more details

Power Supply Voltage

Single +3.3V

Operating Temperature

Hardened: -40 to 85°C (-40 to 185°F)
Non-Hardened: 0 to 70°C (32 to 158°F)

Fast Ethernet

Non-Hardened (Operating Temperature: 0 to 70°C/32 to 158°F)

RJ-45	Distance	Cable Type	Wavelength	Link Budget**	Optical Output Power	Sensitivity
SFPMXT1AC	100m	Cat. 5 or better	-	-	-	-

Non-Hardened (Operating Temperature: 0 to 70°C/32 to 158°F)

Single LC	Distance	Cable Type	Wavelength	Link Budget**	Optical Output Power	Sensitivity
EX-LM38-A3S-TC-N-B3	2Km	62.5/125µm/50/125µm, MM	TX: 1310nm RX: 1550nm	18dBm	-10 to 0dBm	-28dBm
EX-LM48-A3S-TC-N-B5	2Km	62.5/125µm/50/125µm, MM	TX: 1550nm RX: 1310nm	18dBm	-10 to 0dBm	-28dBm
EX-0155TBP-MB5L	20Km	9/125µm, SM	TX: 1310nm RX: 1550nm	18dBm	-14 to -8dBm	-32dBm
EX-0155TBP-LB5L	20Km	9/125µm, SM	TX: 1550nm RX: 1310nm	18dBm	-14 to -8dBm	-32dBm

Non-Hardened (Operating Temperature: 0 to 70°C/32 to 158°F)

Duplex LC	Distance	Cable Type	Wavelength	Link Budget**	Optical Output Power	Sensitivity
SFPMIM02C (DDM)	2Km	62.5/125µm/50/125µm, MM	1310nm	12dBm	-19 to -12dBm	-31dBm
SFPMSS15C	15Km	9/125µm, SM	1310nm	19dBm	-15 to -8dBm	-34dBm
EX-0155TSP-MB6L	40Km	9/125µm, SM	1310nm	30dBm	-5 to 0dBm	-35dBm

Hardened (Operating Temperature: -40 to 85°C/-40 to 185°F)

Single LC	Distance	Cable Type	Wavelength	Link Budget**	Optical Output Power	Sensitivity
EX-LM38-A3S-TI-N-B3	2Km	62.5/125µm/50/125µm, MM	TX: 1310nm RX: 1550nm	18dBm	-10 to 0dBm	-28dBm
EX-LM48-A3S-TI-N-B5	2Km	62.5/125µm/50/125µm, MM	TX: 1550nm RX: 1310nm	18dBm	-10 to 0dBm	-28dBm
SFPMYS20M (DDM)	20Km	9/125µm, SM	TX: 1310nm RX: 1550nm	18dBm	-14 to -8dBm	-32dBm

SFPMZS20M (DDM)	20Km	9/125µm, SM	TX: 1550nm RX: 1310nm	18dBm	-14 to -8dBm	-32dBm
EX-0155TBP-MB6L-A	40Km	9/125µm, SM	TX: 1310nm RX: 1550nm	26dBm	-8 to -3dBm	-34dBm
EX-0155TBP-KB6L-A	40Km	9/125µm, SM	TX: 1550nm RX: 1310nm	26dBm	-8 to -3dBm	-34dBm

Hardened (Operating Temperature: -40 to 85°C/-40 to 185°F)

Duplex LC	Distance	Cable Type	Wavelength	Link Budget**	Optical Output Power	Sensitivity
SFPMIM02M (DDM)	2Km	62.5/125µm/50/125µm, MM	1310nm	13dBm	-19 to -14dBm	-32dBm
SFPMIS20M (DDM)	20Km	9/125µm, SM	1310nm	19dBm	-15 to -8dBm	-32dBm
EX-0155TSP-MB6L-A	40Km	9/125µm, SM	1310nm	29dBm	-5 to 0dBm	-35dBm

*** More SFP options upon the request.**
**** Link Budget data is based on pair of the same SFP modules.**

Gigabit Ethernet

+ Non-Hardened (Operating Temperature: 0 to 70°C/32 to 158°F)

Single LC	Distance	Cable Type	Wavelength	Link Budget**	Optical Output Power	Sensitivity
EX-1250TBP-MB1LS	550m	62.5/125µm/50/125µm, MM	TX: 1310nm RX: 1550nm	7dBm	-10 to -4dBm	-17dBm
EX-1250TBP-LB1LS	550m	62.5/125µm/50/125µm, MM	TX: 1550nm RX: 1310nm	7dBm	-10 to -4dBm	-17dBm
EX-1250TBP-MB4LS	10Km	9/125µm, SM	TX: 1310nm RX: 1550nm	12dBm	-9 to -3dBm	-21dBm
EX-1250TBP-KB4LS	10Km	9/125µm, SM	TX: 1550nm RX: 1310nm	12dBm	-9 to -3dBm	-21dBm
EX-1250TBP-MB5LS	20Km	9/125µm, SM	TX: 1310nm RX: 1550nm	15dBm	-8 to -3dBm	-23dBm
EX-1250TBP-KB5LS	20Km	9/125µm, SM	TX: 1550nm RX: 1310nm	15dBm	-8 to -3dBm	-23dBm
EX-LS38-C3L-TC-N-CE (DDM)	40Km	9/125µm, SM	TX: 1310nm RX: 1550nm	20dBm	-3 to +2dBm	-23dBm
EX-LS48-C3L-TC-N-CE (DDM)	40Km	9/125µm, SM	TX: 1550nm RX: 1310nm	20dBm	-3 to +2dBm	-23dBm
EX-LS38-C3U-TC-N-CE (DDM)	60Km	9/125µm, SM	TX: 1310nm RX: 1550nm	24dBm	0 to +5dBm	-24dBm
EX-LS48-C3U-TC-N-CE (DDM)	60Km	9/125µm, SM	TX: 1550nm RX: 1310nm	23dBm	-2 to +4dBm	-25dBm

+ Non-Hardened (Operating Temperature: 0 to 70°C/32 to 158°F)

Duplex LC	Distance	Cable Type	Wavelength	Link Budget**	Optical Output Power	Sensitivity
SFPGIM5AC (DDM)	275m 550m	62.5/125µm, MM 50/125µm, MM	850nm	7.5dBm	-19 to -14dBm	-17dBm
SFPGIM02C (DDM)	1Km 2Km	50/125µm, MM 62.5/125µm, MM	1310nm	13.5dBm	-9.5 to -3dBm	-23dBm
EX-1250TSP-MB4LS	10Km	9/125 µm, SM	1310nm	10.5dBm	-9.5 to -3dBm	-20dBm
SFPGIS10C (DDM)	10Km	9/125µm, SM	1310nm	11.5dBm	-9.5 to -3dBm	-21dBm
EX-1250TSP-MB5LS	20Km	9/125µm, SM	1310nm	15dBm	-9 to -3dBm	-24dBm
EX-LS38-C3L-TC-N-EB (DDM)	40Km	9/125µm, SM	1310nm	20dBm	-3 to +2dBm	-23dBm
EX-LS48-C3U-TC-N-EB (DDM)	70Km	9/125µm, SM	1550nm	23dBm	0 to +5dBm	-23dBm
SFPGIS90C (DDM)	90Km	9/125µm, SM	1550nm	27dBm	0 to +5dBm	-27dBm

+ Hardened (Operating Temperature: -40 to 85°C/-40 to 185°F)

RJ-45	Distance	Cable Type	Wavelength	Link Budget**	Optical Output Power	Sensitivity
SFPGXT1AM	100m	Cat. 5 or better	-	-	-	-

Hardened (Operating Temperature: -40 to 85°C/-40 to 185°F)

Single LC	Distance	Cable Type	Wavelength	Link Budget**	Optical Output Power	Sensitivity
EX-1250TBP-MB1L-AS	550m	62.5/125µm/50/125µm, MM	TX: 1310nm RX: 1550nm	7dBm	-10 to -4dBm	-17dBm
EX-1250TBP-LB1L-AS	550m	62.5/125µm/50/125µm, MM	TX: 1550nm RX: 1310nm	7dBm	-10 to -4dBm	-17dBm
EX-LM38-C3S-TI-N-CE (DDM)	550m	62.5/125µm, MM	TX: 1310nm RX: 1550nm	8dBm	-10 to +2dBm	-18dBm
EX-LM48-C3S-TI-N-CE (DDM)	550m	62.5/125µm, MM	TX: 1550nm RX: 1310nm	10dBm	-8 to 0dBm	-18dBm
EX-1250TBP-MB4L-AS	10Km	9/125µm, SM	TX: 1310nm RX: 1550nm	12dBm	-9 to -3dBm	-21dBm
EX-1250TBP-KB4L-AS	10Km	9/125µm, SM.	TX: 1550nm RX: 1310nm	12dBm	-9 to -3dBm	-21dBm
EX-1250TBP-MB5L-AS	20Km	9/125µm, SM	TX: 1310nm RX: 1550nm	15dBm	-8 to -3dBm	-23dBm
EX-1250TBP-KB5L-AS	20Km	9/125µm, SM	TX: 1550nm RX: 1310nm	15dBm	-8 to -3dBm	-23dBm
SFPGYS20M (DDM)	20Km	9/125µm, SM	TX: 1310nm RX: 1550nm	15dBm	-8 to -2dBm	-23dBm

SFPGZS20M (DDM)	20Km	9/125µm, SM	TX: 1550nm RX: 1310nm	15dBm	-8 to -2dBm	-23dBm
EX-LS38-C3L-TI-N-CE (DDM)	40Km	9/125µm, SM	TX: 1310nm RX: 1550nm	20dBm	-3 to +2dBm	-23dBm
EX-LS48-C3L-TI-N-CE (DDM)	40Km	9/125µm, SM	TX: 1550nm RX: 1310nm	20dBm	-3 to +2dBm	-23dBm
EX-LS38-C3U-TI-N-CE (DDM)	60Km	9/125µm, SM	TX: 1310nm RX: 1550nm	24dBm	0 to +5dBm	-24dBm
EX-LS48-C3U-TI-N-CE (DDM)	60Km	9/125µm, SM	TX: 1550nm RX: 1310nm	23dBm	-2 to +4dBm	-25dBm

Hardened (Operating Temperature: -40 to 85°C/-40 to 185°F)

Duplex LC	Distance	Cable Type	Wavelength	Link Budget**	Optical Output Power	Sensitivity
SFPGIM5AM (DDM)	275m 550m	62.5/125µm, MM 50/125µm, MM	850nm	7.5dBm	-9.5 to -4dBm	-17dBm
SFPGIM02M (DDM)	1Km 2Km	50/125µm, MM 62.5/125µm, MM	1310nm	13.5dBm	-9.5 to -3dBm	-23dBm
SFPGIS10M (DDM)	10Km	9/125µm, SM	1310nm	11.5dBm	-9.5 to -3dBm	-21dBm
SFPGIS20M (DDM)	20Km	9/125µm, SM	1310nm	15dBm	-8 to -3dBm	-23dBm
SFPGIS40M (DDM)	40Km	9/125µm, SM	1310nm	20dBm	-3 to +2dBm	-23dBm

SFPGIS70M (DDM)	70Km	9/125µm, SM	1550nm	23dBm	0 to +5dBm	-23dBm

*** More SFP options upon the request.**
**** Link Budget data is based on pair of the same SFP modules.**

2.5 Gigabit Ethernet

2.5G BASE SFP Series*

Hardened (Operating Temperature: -40 to 85°C/-40 to 185°F)

Duplex LC	Distance	Cable Type	Wavelength	Link Budget*	Optical Output Power	Sensitivity
SFP2IM2AM (DDM)	160m 400m 500m	OM2 (50/125µm, MM) OM3 (50/125µm, MM) OM4 (50/125µm, MM)	850nm	850nm	-7.5 to -1dBm	-13.5dBm
SFP2IS20M (DDM)	20Km	9/125µm, SM	1310nm	1310nm	-5 to 0dBm	-16dBm

RJ45	Distance	Cable Type	Wavelength	Link Budget*	Optical Output Power	Sensitivity
SFP2XT1AM	100m	Cat. 5A or better	N/A	-	-	-

*** More SFP options upon the request.**
**** Link Budget data is based on pair of the same SFP modules.**

10 Gigabit Ethernet

Non-Hardened (Operating Temperature: 0 to 70°C/32 to 158°F)

Duplex LC	Distance	Cable Type	Wavelength	Link Budget**	Optical Output Power	Sensitivity
SFPTIM3AE (DDM)	300m	62.5/125µm/50/125µm, MM	850nm	2.8dBm	-7.1 to -1dBm	-9.9dBm
SFPTIS10E (DDM)	10Km	9/125µm, SM	1310nm	8.4dBm	-6 to +0.5dBm	-14.4dBm
SFPTIS20C (DDM)	20Km	9/125µm, SM	1310nm	9.4dBm	-5 to +1dBm	-14.4dBm
SFPTIS40C (DDM)	40Km	9/125µm, SM	1310nm	15dBm	-0.5 to +5dBm	-15.5dBm

Hardened (Operating Temperature: -40 to 85°C/-40 to 185°F)

Duplex LC	Distance	Cable Type	Wavelength	Link Budget**	Optical Output Power	Sensitivity
SFPTIM3AM (DDM)	300m	62.5/125µm/50/125µm, MM	850nm	2.8dBm	-7.1 to -1dBm	-9.9dBm

SFPTIS10M (DDM)	10Km	9/125µm, SM	1310nm	6.4dBm	-8 to +0.5dBm	-14.4dBm
SFPTIS20M (DDM)	20Km	9/125µm, SM	1310nm	9.4dBm	-5 to +1dBm	-14.4dBm
SFPTIS40M (DDM)	40Km	9/125µm, SM	1310nm	15dBm	0.5 to +5dBm	-15.5dBm

+ Hardened (Operating Temperature: -40 to 85°C/-40 to 185°F)

RJ-45	Distance	Cable Type	Wavelength	Link Budget**	Optical Output Power	Sensitivity
SFPTXT1AM	100m	Cat.6a or above	-	-	-	-

*** More SFP options upon the request.**
**** Link Budget data is based on pair of the same SFP modules.**

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