

SFP Fiber Transceiver

SFP Fiber Transceiver Series Specifications



Spotlight

- + Used for wide range of fiber applications
- + Optimal performance on EtherWAN switches
- + Fast Ethernet, Gigabit Ethernet, and 10-Gigabit Ethernet options available
- + Multi-mode and Single-mode fiber modules available
- + Hot-pluggable for instant operation
- + Enhanced Digital Diagnostic Monitoring available for models marked "DDM" to provide real-time diagnostic information

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
EMC: FCC part 15, CENELEC EN 55022

+ 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)

+ Warranty

Go to www.etherwan.com/support/warranty-policy for more details

Fast Ethernet

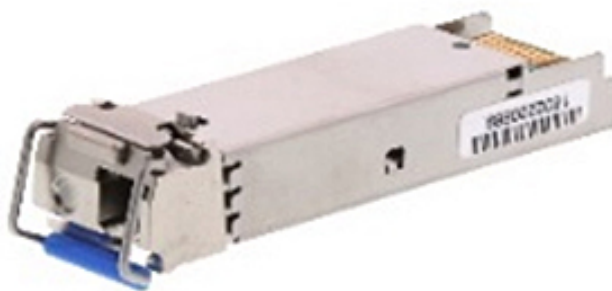
+ FAST ETHERNET (100Mbps)

Duplex LC



| Part Number | Mode | Distance | Operating Temperature | Wavelength |
|-------------------|--------|----------|-----------------------|------------|
| SFPMIM02C (DDM) | Multi | 2km | 0 to 70°C | 1310nm |
| EX-0155NSP-MB2L-A | Multi | 2km | -40 to 85°C | 1310nm |
| EX-0155TSP-MB5L | Single | 15km | 0 to 70°C | 1310nm |
| SFPMIS20M (DDM) | Single | 20km | -40 to 85°C | 1310nm |
| EX-0155TSP-MB6L | Single | 40km | 0 to 70°C | 1310nm |
| EX-0155TSP-MB6L-A | Single | 40km | -40 to 85°C | 1310nm |

Single LC (used in pairs)



| Part Number | Mode | Distance | Operating Temperature | Wavelength |
|---------------------|-------|----------|-----------------------|--------------------------|
| EX-LM38-A3S-TC-N-B3 | Multi | 2km | 0 to 70°C | TX: 1310nm RX: 1550nm |
| EX-LM48-A3S-TC-N-B5 | Multi | 2km | 0 to 70°C | TX: 1310nm RX: 1550nm |
| EX-LM38-A3S-TI-N-B3 | Multi | 2km | -40 to 85°C | TX: 1310nm RX: 1550nm |
| EX-LM48-A3S-TI-N-B5 | Multi | 2km | -40 to 85°C | TX: 1310nm RX: 1550nm |

| | | | |
|-------------------|------------|-------------|--------------------------|
| EX-0155TBP-MB5L | Single20km | 0 to 70°C | TX: 1310nm RX: 1550nm |
| EX-0155TBP-LB5L | Single20km | 0 to 70°C | TX: 1310nm RX: 1550nm |
| SFPMYS20M (DDM) | Single20km | -40 to 85°C | TX: 1310nm RX: 1550nm |
| SFPMZS20M (DDM) | Single20km | -40 to 85°C | TX: 1550nm RX: 1310nm |
| EX-0155TBP-MB6L-A | Single40km | -40 to 85°C | TX: 1310nm RX: 1550nm |
| EX-0155TBP-KB6L-A | Single40km | -40 to 85°C | TX: 1310nm RX: 1550nm |

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| Part Number | Cable Type | Distance | Operating Temperature |
|-------------|-----------------|----------|-----------------------|
| SFPMXT1AC | Cat 5 or better | 100m | 0 to 70°C |

EtherWAN's SFP modules are rigorously tested, 100% and are interoperable with all MSA compliant networking devices. EtherWAN offers a variety of options for both commercial and hardened environments, which provides flexible connectivity solutions.

For detailed SFP specifications, please download the [datasheet](#).

Gigabit Ethernet

+ GIGABIT ETHERNET (1000Mbps)

Duplex LC



| Part Number | Mode | Distance | Operating Temperature | Wavelength | DDM |
|---------------------|--------|-----------|-----------------------|------------|-----|
| SFPGIM5AC | Multi | 275m/550m | 0 to 70°C | 850nm | ✓ |
| SFPGIM5AM | Multi | 275m/550m | -40 to 85°C | 850nm | ✓ |
| SFPGIM02C | Multi | 2km | 0 to 70°C | 1310nm | ✓ |
| SFPGIM02M | Multi | 2km | -40 to 85°C | 1310nm | ✓ |
| SFPGIS10C | Single | 10km | 0 to 70°C | 1310nm | ✓ |
| SFPGIS10M | Single | 10km | -40 to 85°C | 1310nm | ✓ |
| EX-1250TSP-MB5LS | Single | 20km | 0 to 70°C | 1310nm | - |
| SFPGIS20M | Single | 20km | -40 to 85°C | 1310nm | ✓ |
| EX-LS38-C3L-TC-N-EB | Single | 40km | 0 to 70°C | 1310nm | ✓ |
| EX-LS38-C3L-TI-N-EB | Single | 40km | -40 to 85°C | 1310nm | ✓ |
| EX-LS48-C3U-TC-N-EB | Single | 70km | 0 to 70°C | 1310nm | ✓ |
| EX-LS48-C3U-TI-N-EB | Single | 70km | -40 to 85°C | 1310nm | ✓ |
| SFPGIS90C | Single | 90km | 0 to 70°C | 1310nm | ✓ |

Single LC (used in pairs)



| Part Number | Mode | Distance | Operating Temperature | Wavelength | DDM |
|-------------|------|----------|-----------------------|------------|-----|
|-------------|------|----------|-----------------------|------------|-----|

| | | | | |
|-----------------------|------------|-------------|---------------------------|---|
| EX-1250TBP-MB1LS | Multi 550m | 0 to 70°C | TX: 1310nm/ RX: 1550nm | - |
| EX-1250TBP-LB1LS | Multi 550m | 0 to 70°C | TX: 1310nm/ RX: 1550nm | - |
| EX-1250TBP-MB1L-AS | Multi 550m | -40 to 85°C | TX: 1310nm/ RX: 1550nm | - |
| EX-1250TBP-LB1L-AS | Multi 550m | -40 to 85°C | TX: 1550nm/ RX: 1310nm | - |
| EX-LM38-C3S-TI-N-CE | Multi 550m | -40 to 85°C | TX: 1310nm/ RX: 1550nm | ✓ |
| EX-LM48-C3S-TI-N-CE | Multi 550m | -40 to 85°C | TX: 1550nm/ RX: 1310nm | ✓ |
| EX-1250TBP-MB4LS | Single10km | 0 to 70°C | TX: 1310nm/ RX: 1550nm | - |
| EX-1250TBP-KB4LS | Single10km | 0 to 70°C | TX: 1310nm/ RX: 1550nm | - |
| EX-1250TBP-MB4L-AS | Single10km | -40 to 85°C | TX: 1310nm/ RX: 1550nm | - |
| EX-1250TBP-KB4L-AS | Single10km | -40 to 85°C | TX: 1550nm/ RX: 1310nm | - |
| EX-1250TBP-MB5LS | Single20km | 0 to 70°C | TX: 1310nm/ RX: 1550nm | - |
| EX-1250TBP-KB5LS | Single20km | 0 to 70°C | TX: 1310nm/ RX: 1550nm | - |
| EX-1250TBP-MB5L-AS | Single20km | -40 to 85°C | TX: 1310nm/ RX: 1550nm | - |
| EX-1250TBP-KB5L-AS | Single20km | -40 to 85°C | TX: 1550nm/ RX: 1310nm | - |
| SFPGYS20M | Single20km | -40 to 85°C | TX: 1310nm/ RX: 1550nm | ✓ |
| SFPGZS20M | Single20km | -40 to 85°C | TX: 1550nm/ RX: 1310nm | ✓ |
| EX-LS38-C3L-TC-N-CE | Single40km | 0 to 70°C | TX: 1550nm/ RX: 1310nm | ✓ |
| EX-LS48-C3L-TC-N-CE | Single40km | 0 to 70°C | TX: 1310nm/ RX: 1550nm | ✓ |
| EX-LS38-C3L-TI-N-CE | Single40km | -40 to 85°C | TX: 1550nm/ RX: 1310nm | ✓ |
| EX-LS48-C3L-TI-N-CE | Single40km | -40 to 85°C | TX: 1310nm/ RX: 1550nm | ✓ |
| EX-LS38-C3U-TC-N-CE | Single60km | 0 to 70°C | TX: 1310nm/ RX: 1550nm | ✓ |
| EX-LS48-C3U-TC-N-CE | Single60km | 0 to 70°C | TX: 1310nm/ RX: 1550nm | ✓ |
| EX-LS38-C3U-TI-N-CE | Single60km | -40 to 85°C | TX: 1310nm/ RX: 1550nm | ✓ |
| EX-LS48-C3U-TI-N-CE | Single60km | -40 to 85°C | TX: 1310nm/ RX: 1550nm | ✓ |
| EX-LS48-C3U-TC-N51-CE | Single80km | 0 to 70°C | TX: 1310nm/ RX: 1550nm | ✓ |
| EX-LS48-C3U-TC-N57-CE | Single80km | 0 to 70°C | TX: 1310nm/ RX: 1550nm | ✓ |

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| Part Number | Cable Type | Distance | Operating Temperature |
|-------------|-----------------|----------|-----------------------|
| SFPGXT1AM | Cat 5 or better | 100m | -40 to 85°C |

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10-Gigabit Ethernet

+ 10-GIGABIT ETHERNET (10Gbps)

Duplex LC



| Part Number | Mode | Distance | Operating Temperature | Wavelength | DDM |
|-------------|--------|----------|-----------------------|------------|-----|
| SFPTIM3AE | Multi | 300m | 0 to 70°C | 850nm | ✓ |
| SFPTIM3AM | Multi | 300m | -40 to 85°C | 850nm | ✓ |
| SFPTIS10E | Single | 10km | 0 to 70°C | 1310nm | ✓ |
| SFPTIS10M | Single | 10km | -40 to 85°C | 1310nm | ✓ |
| SFPTIS20C | Single | 20km | 0 to 70°C | 1310nm | ✓ |
| SFPTIS20M | Single | 20km | -40 to 85°C | 1310nm | ✓ |
| SFPTIS40C | Single | 40km | 0 to 70°C | 1310nm | ✓ |
| SFPTIS40M | Single | 40km | -40 to 85°C | 1310nm | ✓ |

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