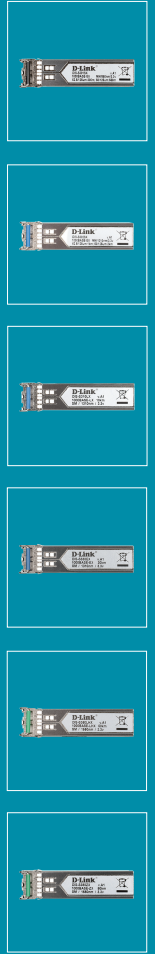
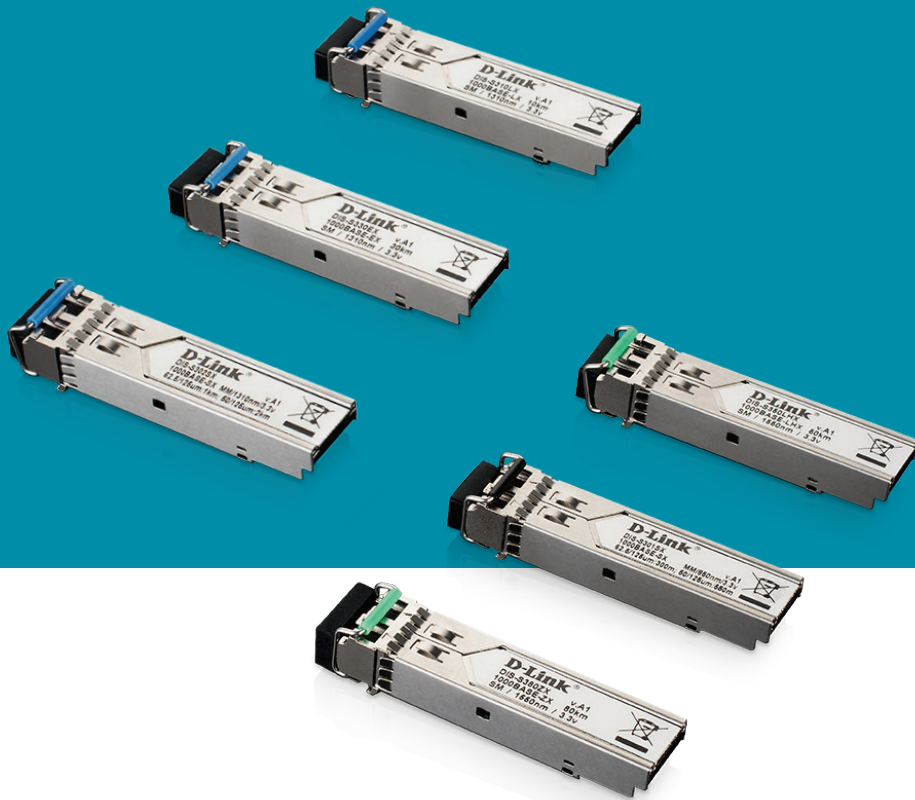


Gigabit Industrial SFP Transceivers

High-performance solution for serial optical data communication applications.

DIS-S300 Series



Robust Design

Wide operating temperature range for harsh environments



Increased Coverage

Transfer data over short or long distances



Hot Pluggable

Easily modify or upgrade network infrastructure

Gigabit Industrial SFP Transceivers DIS-S300 Series

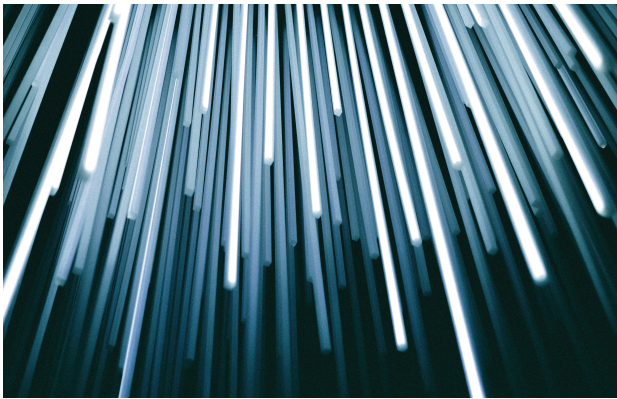
- Small Form-factor Pluggable (SFP)
- Hot pluggable
- Multiple Source Agreement (MSA) compliant
- IEEE 802.3z standard
- Supports cable distances of up to 550 m / 2 km / 10 km / 30 km / 50 km / 80 km



D-Link Gigabit Industrial SFP Transceivers allow for the expansion of Gigabit Ethernet networks by providing reliable, high speed connections over fiber cables.

The fiber-optic transceivers have standard duplex LC connectors to provide maximum compatibility. They are hot pluggable and Small Form Factor Pluggable (SFP) compliant with the Multi-Source Agreement (MSA) specification.





Multiple Applications

Applications of the DIS-S300 Series Gigabit Industrial SFP Transceivers include distributed multi-processing, Gigabit switch cascading, high-speed I/O file transfer, bus extension application, and channel extender/data storage. This versatility is invaluable for an expanding network, and helps the infrastructure grow with the business.



Covers Vast Distances

With the DIS-S300 Series, there's support for covering a range of distances – from short reach distances of 550 m to long reach distances of 80 km. This gives you flexibility to make the best choice for your short or long reach network, making it an ideal choice for businesses spanning multiple premises.

- 550 m (DIS-S301SX)
- 2 km (DIS-S302SX)
- 10 km (DIS-S310LX)
- 30 km (DIS-S330EX)
- 50 km (DIS-S350LHX)
- 80 km (DIS-S380ZX)



Small Form-factor Pluggable Package

The Gigabit Industrial SFP Transceivers use the Small Form-factor Pluggable (SFP) design. They provide the necessary signal amplification for data to be transmitted to the network cable from the port, and vice versa.









Hot Pluggable

All D-Link transceivers are hot pluggable. You can connect a transceiver while the system is powered on without causing any issues, and easily swap one for another without having to reboot the switch each time. This permits modules to be added or removed without interrupting the network, facilitating maintenance and greatly reducing downtime.

- Maximizes uptime
- Simplifies serviceability

Technical Specifications

/ DIS-S300 Series

Model	DIS-S301SX	DIS-S302SX	DIS-S310LX	DIS-S330EX	DIS-S350LHX	DIS-S380ZX
Product Image						

General						
Transceiver Type	SFP	SFP	SFP	SFP	SFP	SFP
Cable Distance	550 m	2 km	10 km	30 km	50 km	80 km
Cable Type	Multi-mode 50/125um or 62.5/125um fiber	Multi-mode 50/125um or 62.5/125um fiber	Single-mode 9/125um fiber	Single-mode 9/125um fiber	Single-mode 9/125um fiber	Single-mode 9/125um fiber
Speed	1.25 Gbps					
Interfaces	Duplex LC connector					
Hot Pluggable	Yes					
Direction	Single direction					
Wavelength	850 nm	1310 nm	1310 nm	1310 nm	1550 nm	1550 nm

Functionality						
IEEE Standard	IEEE 802.3z					
MSA Compliant	Yes					
RoHS Compliant	Yes					
Fiber Channel FC-Pi Standard	100-M6-SN-I/100-M5-SN-I	No standard definition	100-SM-LC-L	100-SM-LC-L	100-SM-LL-V	100-SM-LL-V
Fiber Media Support	Multi-Mode	Multi-Mode	Single-Mode	Single-Mode	Single-Mode	Single-Mode

Physical	
Max. Power Consumption	3.3 V
Max. Input Current	300 mA
Dimensions	13.7 mm x 55.4 mm x 8.5 mm (0.5 x 2.2 x 0.3 in)
Weight	20 g (0.7 oz)
Operating Temperature	-40 to 85 °C (-40 to 185 °F)
Storage Temperature	-40 to 85 °C (-40 to 185 °F)
Operating Humidity	5% to 95% non-condensing
Storage Humidity	5% to 95% non-condensing
Certifications	FCC Class B, ICES-003 Class B, CE Class B, VCCI Class B, LVD

Order Information	
DIS-S301SX	1000BASE-SX Multi-Mode 550 m SFP Transceiver -40 to 85 °C operating temperature
DIS-S302SX	1000BASE-SX Multi-Mode 2 km SFP Transceiver -40 to 85 °C operating temperature
DIS-S310LX	1000BASE-LX Single-Mode 10 km SFP Transceiver -40 to 85 °C operating temperature
DIS-S330EX	1000BASE-EX Single-Mode 30 km SFP Transceiver -40 to 85 °C operating temperature
DIS-S350LHX	1000BASE-LHX Single-Mode 50 km SFP Transceiver -40 to 85 °C operating temperature
DIS-S380ZX	1000BASE-ZX Single-Mode 80 km SFP Transceiver -40 to 85 °C operating temperature