

Product Highlights

Rugged, Hardened Design

Designed to operate in wide temperature ranges, allowing the transceivers to be deployed in enclosures or cabinets in outdoor locations

Small Form-Factor Pluggable

Compact, standard-based transceivers

Hot Pluggable

Transceivers can be added or swapped without downtime or interrupting the network



DIS-S300 Series

Industrial SFP Optical Transceivers

Features

SFP hot pluggable

MSA (Multiple Source Agreement) Compliant

Operating Temperature: -40° to 85°C

Transmission Distance Options:

- 550 m
- 2 km
- 10 km
- 30 km
- 50 km
- 80 km

D-Link's Industrial SFP Optical Transceivers are hot-swappable SFP transceivers that are specifically designed for D-Link Industrial Ethernet switches. The transceivers offer customers a wide variety of connection distance for factory automation, smart and connected city applications.

All transceivers are standard-based and hot swappable. You can remove or replace the transceiver with the system powered. This allows transceivers to be added or swapped without downtime or interrupting the network.

Contrast to commercial optical transceivers with operating temperature 0~70°C, these Industrial SFP Optical Transceivers have a wider operating temperature range of -40~85°C. This allows the transceivers to be deployed in harsher environmental conditions with extreme temperatures.

Applications

- Challenging environmental conditions
- High ambient temperatures

Market

- Heavy industrial / factory automation
- Intelligent transport system (ITS) / railway applications
- City surveillance / smart cities

DIS-S300 Series Industrial SFP Optical Transceivers

Technical Specifications						
Model	DIS-S301SX	DIS-S302SX	DIS-S310LX	DIS-S330EX	DIS-S350LHX	DIS-S380ZX
Product image						
Description	1000BASE-SX Multi-Mode 550 m SFP Transceiver	1000BASE-SX Multi-Mode 2 km SFP Transceiver	1000BASE-LX Single-Mode 10 km SFP Transceiver	1000BASE-EX Single-Mode 30 km SFP Transceiver	1000BASE-LHX Single-Mode 50 km SFP Transceiver	1000BASE-ZX Single-Mode 80 km SFP Transceiver
General						
Transceiver Type	SFP					
Cable Distance	550 m	2 km	10 km	30 km	50 km	80 km
Cable Type	<ul style="list-style-type: none"> • 62.5/125um fiber: 550 m (OM1) • 50/125um fiber: 550 m (OM2, OM3, OM4) 	<ul style="list-style-type: none"> • 62.5/125um fiber: 1 km (OM1) • 50/125um fiber: 1 km (OM2) • 50/125um fiber: 2 km (OM3, OM4) 	<ul style="list-style-type: none"> • 9/125um fiber: 10 km (OS1, OS2) 	<ul style="list-style-type: none"> • 9/125um fiber: 30 km (OS1, OS2) 	<ul style="list-style-type: none"> • 9/125um fiber: 50 km (OS1, OS2) 	<ul style="list-style-type: none"> • 9/125um fiber: 80 km (OS1, OS2)
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 Media Support	Multi mode	Multi mode	Single mode	Single mode	Single mode	Single mode
Physical						
Power Supply	3.3 V					
Max. Input Current	300 mA					
Dimensions	13.7 x 55.4 x 8.5 mm (0.5 x 2.2 x 0.3 in)					
Weight	20 g (0.7 oz)					
Operating Temp	-40 to 85 °C (-40 to 185 °F)					
Storage Temp	-40 to 85 °C (-40 to 185 °F)					
Certifications	FCC Class B, ICES-003 Class B, CE Class B, VCCI Class B, LVD					

DIS-S300 Series Industrial SFP Optical Transceivers

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