D-Link
Building Networks for People

Product Highlights

Seamless Fiber to Copper Conversion

Converts an optical SFP port to a copper port with a 1.25 Gb/s bi-directional data link on standard UTP copper cabling up to 100 m (328 ft) link length

Scalable and Resilient

The DGS-712 is ideal for use to stack or cascade multiple switches giving you the versatility to manage and grow your traffic with peace of mind

Simple and Flexible

SFP transceivers can be used in a wide variety of combinations on a port-by-port basis

DGS-712

1000Base-T Copper SFP Transceiver

Features

Standards

- Compliant with IEEE 802.3z Gigabit Standard
- Compliant with MSA SFP Specification
- RoHS compliant and lead-free
- Copper interface supports 10/100/1000 Mbps operation

Compact Design

- Self-contained in Standard Small Form Pluggable (SFP) Package
- 100m transmission over Ethernet cable using unshielded twisted pair Category 5 cable
- Compact RJ-45 connector assembly (10/100/1000BASE-T)
- Retractable clasp for easy removal

Flexible

- Hot Swappable
- Durable metal enclosure
- Input voltage range of 3.3 V ± 5 %

Applications

- Gigabit Ethernet over Category 5 cable

The D-Link DGS-712 1000Base-T Copper SFP Transceiver Module is a hot-swappable SFP (Small Form-Factor Pluggable) transceiver that plugs into standard SFP slots on switches and supports Gigabit Ethernet. The DGS-712 offers a wide variety of Gigabit Ethernet connectivity options for data centers, enterprise wiring closets, and service provider transport applications. The DGS-712 is an external transceiver designed for insertion into SFP slots of network devices for transmission and reception of data signals from fiber ports. These transceivers provide Gigabit operation and physical compactness to deliver the speed, reliable data transfer, and deployment flexibility that today's networks require.

Versatile

The DGS-712 provides transmission to up to 100 meters, these highly integrated transceivers offer low jitter performance for extended optical link support without any degradation in performance.

Standards Compliant

The DGS-712 transceivers conform to industry standards and are interoperable with D-Link Gigabit switches and Fast Ethernet switches with Gigabit uplink ports.

Hot Pluggable and Durable

All D-Link transceivers are hot-pluggable. The hotswap capability of the DGS-712 allows network administrators to plug or unplug them from the SFP slots without having to turn off the power of the connected device. This permits modules to be added or removed without interrupting the network. Additionally, the DGS-712 transceivers are cased in an SFP metal housing to increase durability.

DGS-712 1000Base-T Copper SFP Transceiver

Technical Specifications		
Standard		
Compliant Standard	• IEEE 802.3 10BASE-T • IEEE 802.3u 100BASE-TX • IEEE 802.3ab 1000BASE-T • IEEE 802.3z 1000BASE-SX/LX	
Distance	• 100 m	
Speed		
Speed[1]	• 10/100/1000 Mbps	
Interface		
Transceiver Connector	• RJ-45	
Cable Type	• Cat 5 or above	
Operating		
Power	• 3.3 V	
Max Input Current	• 375 mA	
MTBF		
MTBF (Hours)	• 5,617,000 hours	
Physical & Environment		
Temperature	• Operating: 0° C - 85° C (32° F - 185 ° F)	• Storage: -40° C - 85° C (-40° F - 185 ° F)
Humidity	• Operating: 0 - 80% RH	• Storage: 0 - 80% RH
Dimensions (W x D x H)	• 13.7 x 70.2 x 13.4 mm (0.54 x 2.76 x 0.52 inches)	
Weight	• 20 g (0.04 pounds)	
Emission (EMI) and Safety Certifications		
EMI	• FCC Class A • CE Class A	• VCCI Class A
Safety	• CSA	• TUV

Updated 2012/08/21

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