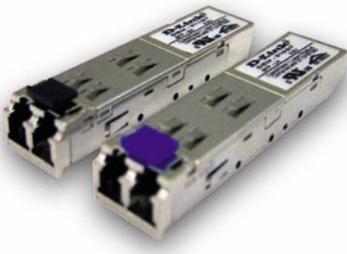


## Gigabit Interface Converter

### High Performance Multimode Transceiver

#### DEM-311GT



D-Link's new line of Gigabit Interface Converters (GBICs) and Small Form-Factor Pluggables (SFPs) transceivers represent an industry leading combination of performance and affordability. D-Link's new Gigabit transceivers are available in two form-factors: standard (GBIC) or (SFP)/mini-GBIC.

The DEM-311GT is a high performance 850nm multimode SFP/mini-GBIC transceiver. Supporting full duplex, Gigabit speeds on multimode fiber for distances of up to 220m/550m on 62.5µm/50µm fiber respectively. The unit features a metal housing to reduce EMI and to increase durability. The DEM-311GT is hot pluggable and is backed by a standard 3-year product warranty and free technical support.

## FEATURES

### Product Highlights:

- 850nm Multimode Transceiver
- Hot Pluggable
- Multi-Vendor<sup>1</sup>/Device Support<sup>1</sup>
- Metal Enclosure Reduces EMI
- Standards Compliant
- 3.3V Power Supply
- Duplex LC Connector

### Performance:

- Up to 550m on 50/125µm
- Up to 220m on 62.5/125µm
- Up To 1.25Gbps Bi-Directional (Gigabit)
- Up To 1.0625Gbps Bi-Directional (Fiber Channel)

### Support Information:

- Free Technical Support
- 3 Year Warranty
- Extended Support Options Available

<sup>1</sup> Third-Party Devices Must Comply With specified Supported Industry-Standard Specifications

### D-Link Gigabit Transceivers

#### D-Link

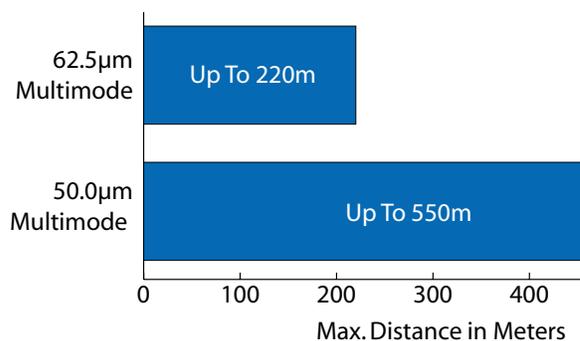
PRODUCT	TYPE	VOLTAGE	CONNECTOR	CAT5 UTP	62.5µm Multimode	50.0µm Multimode	9µm Singlmode
DGS-701 (1000BASE-SX GBIC, 3.3V, 220/550m)	GBIC	3.3V	SC	-	220m	550m	-
DGS-702 (1000BASE-LX GBIC, 3.3V, Up to 10km)	GBIC	3.3V	SC	-	550m	550m	10km
DGS-703 (1000BASE-LX GBIC, 3.3/5V, Up to 10km)	GBIC	3.3V/5.0V	SC	-	550m	550m	10km
DGS-704 (1000BASE-LX GBIC, 3.3V, Up to 30km)	GBIC	3.3V	SC	-	-	-	30km
DGS-705 (1000BASE-LX GBIC, 5.0V, Up to 10km)	GBIC	5.0V	SC	-	-	-	10km
DGS-706 (1000BASE-LX GBIC, 5.0V, Up to 30km)	GBIC	5.0V	SC	-	-	-	30km
DGS-707 (1000BASE-SX GBIC, 3.3V, 220/550m)	GBIC	3.3V	SC	-	220m	550m	-
DGS-708 (1000BASE-LX GBIC, 3.3/5.0V, 80km)	GBIC	3.3V/5.0V	SC	-	-	-	80km
DGS-711 (1000BASE-T GBIC, 3.3V, Up to 100m)	GBIC	3.3V	RJ45	100m	-	-	-
DEM-310GM2* (1000BASE-SX+ GBIC, 3.3V, Up To 2km)	GBIC	3.3V	SC	-	Up to 2km*	Up to 2km*	-
DEM-310GT (1000BASE-LX SFP, 3.3V, Up to 10km)	SFP	3.3V	LC	-	550m	550m	10km
DEM-311GT (1000BASE-SX SFP, 3.3V, Up to 220/550m)	SFP	3.3V	LC	-	220m	550m	-
DEM-312GT2* (1000BASE-SX+ SFP, 3.3V, Up to 2km)	SFP	3.3V	LC	-	Up to 2km*	Up to 2km*	-
DEM-314GT (1000BASE-LX SFP, 3.3V, Up to 50km)	SFP	3.3V	LC	-	-	-	50km
DEM-315GT (1000BASE-LX SFP, 3.3V, Up to 80km)	SFP	3.3V	LC	-	-	-	80km

\* Must be paired with another DEM-310GM2 and/or DEM-312GT2, not for use with other SX GBICs

# DEM-311GT

Gigabit Interface Converter  
High Performance 850nm Multimode Transceiver

## DEM-311GT



## Technical Specifications

<b>Product/Performance Specifications</b>	
Data Rate Gigabit	1.250Gbps (Bi-Directional)
Data Rate Fiber Channel	1.062Gbps (Bi-Directional)
Optical Receiver Sensitivity	-18dBm (Max)
<b>Transmission Range</b>	
62.5/125µm	Up to 220m
50.0/125µm	Up to 550m
9/125µm	N/A
<b>Interface Options</b>	
Connector Type	LC Type
<b>Standards</b>	
IEEE	802.3z
<b>Operational Ranges</b>	
Supply Voltage	3.1-3.5V
Max Voltage	6.0V
Max Current	300mA
<b>Physical Specifications</b>	
Dimensions (WxDxH)	1.19x0.47x2.25 in
<b>Safety Certifications and Environmental Information</b>	
Class 1 Laser -	EN 60825-1
FDA 21	1040.10 & 1040.11
Operating Temperature	0° - 70° C (32° - 158° F)
Storage	-40° - 85° C (-40° - 185° F)
Humidity Operating:	10% to 85%
<b>Warranty and Support Information</b>	
Warranty	Limited 3 Year Warranty for as long as the original customer/end user owns the product, (excluding power supplies and fans). Power supplies and fans carry a limited 3 year warranty.
Support	Free Technical
<b>Ordering Information</b>	
DEM-311GT	1000BASE-SX Multimode SFP/mini-GBIC

## D-Link Gigabit Compatibility Matrix

D-Link MODULE	PRODUCT REV	DGS-1024T	DGS-1024TG	DGS-3224TG	DGS-3224TGR	DGS-3308TG/FG
		A1/B1	B1	A1	A1	B1
DGS-701 (1000BASE-SX GBIC, 3.3V, 220/550m)	A1		✓	✓		✓
DGS-702 (1000BASE-LX GBIC, 3.3V, Up to 10km)	A1		✓	✓		✓
DGS-703 (1000BASE-LX GBIC, 3.3/5V, Up to 10km)	A1		✓	✓		✓
DGS-704 (1000BASE-LX GBIC, 3.3V, Up to 30km)	A1		✓	✓		✓
DGS-705 (1000BASE-LX GBIC, 5.0V, Up to 10km)	A1		✓	✓		✓
DGS-706 (1000BASE-LX GBIC, 5.0V, Up To 30km)	A1		✓	✓		✓
DGS-707 (1000BASE-SX GBIC, 3.3V, 220/550m)	A1		✓	✓		✓
DGS-708 (1000BASE-LX GBIC, 3.3/5.0V, 80km)	A1		✓	✓		✓
DGS-711 (1000BASE-T GBIC, 3.3V, Up to 100m)	A1		✓	✓		✓
DEM-310GM2* (1000BASE-SX+ GBIC, 3.3V, Up To 2km)	A1		✓	✓		✓
DEM-310GT (1000BASE-SX SFP, 3.3V, Up to 10km)	A1	✓			✓	
DEM-311GT (1000BASE-SX SFP, 3.3V, 220/550m)	A1	✓			✓	
DEM-312GT2* (1000BASE-SX+ SFP, 3.3V, Up to 2km)	A1	✓			✓	
DEM-314GT (1000BASE-LX SFP, 3.3V, Up to 50km)	A1	✓			✓	
DEM-315GT (1000BASE-LX SFP, 3.3V, Up to 80km)	A1	✓			✓	

\* Must be paired with another DEM-310GM2 and/or DEM-312GT2, not for use with other SX GBICs