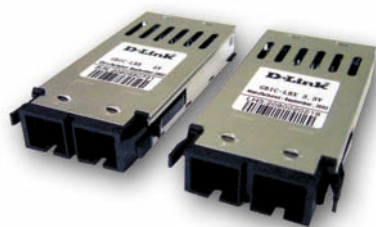


## Gigabit Interface Converter

### High Performance Multimode Transceiver

#### DGS-707



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 DGS-707 is a high performance 850nm multimode 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 DGS-707 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 SC 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

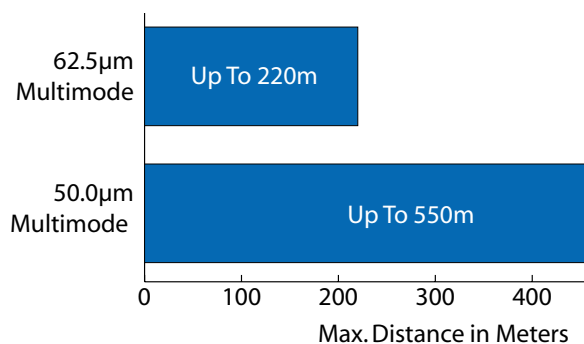
| PRODUCT   | TYPE | VOLTAGE   | CONNECTOR | CAT5 UTP | 62.5µ Multimode | 50.0µ Multimode | 9µ Singlemode |
|---|------|-----------|-----------|----------|-----------------|-----------------|---------------|
| <b>DGS-701</b><br>(1000BASE-SX GBIC, 3.3V, 220/550m)        | GBIC | 3.3V      | SC       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

# DGS-707

Gigabit Interface Converter  
High Performance 850nm Multimode Transceiver

## DGS-707



## Technical Specifications

### D-Link Gigabit Compatibility Matrix

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

### Product/Performance Specifications

|                              |                            |
|------------------------------|----------------------------|
| Data Rate Gigabit            | 1.250Gbps (Bi-Directional) |
| Data Rate Fiber Channel      | 1.062Gbps (Bi-Directional) |
| Optical Receiver Sensitivity | -18dBm (Max)               |

### Transmission Range

|            |            |
|------------|------------|
| 62.5/125µm | Up to 220m |
| 50.0/125µm | Up to 550m |
| 9/125µm    | N/A        |

### Interface Options

|                |         |
|----------------|---------|
| Connector Type | SC Type |
|----------------|---------|

### Standards

|      |        |
|------|--------|
| IEEE | 802.3z |
|------|--------|

### Operational Ranges

|                |          |
|----------------|----------|
| Supply Voltage | 3.1-3.5V |
| Max Voltage    | 6.0V     |
| Max Current    | 300mA    |

### Physical Specifications

|                    |                   |
|--------------------|-------------------|
| Dimensions (WxDxH) | 1.19x0.47x2.25 in |
|--------------------|-------------------|

### Safety Certifications and Environmental Information

|                       |                                 |
|-----------------------|---------------------------------|
| Class 1 Laser -       | EN 60825-1                      |
| FDA 21                | 1040.10 & 1040.11               |
| Operating Temperature | 0° - 70° C<br>(32° - 158° F)    |
| Storage               | -40° - 85° C<br>(-40° - 185° F) |
| Humidity Operating:   | 10% to 85%                      |

### Warranty and Support Information

|          |   |
|----------|---|
| 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  |

### Ordering Information

|         |                            |
|---------|----------------------------|
| DGS-707 | 1000BASE-SX Multimode GBIC |
|---------|----------------------------|