# D-Link DEM-211 Datasheet



D-Link DEM-211 100BASE-FX Multi-Mode 2 Km SFP Transceiver

DEM-211

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D-Link's DEM-210 and DEM-211 SFP transceivers provide a high performance solution for serial optical data communication applications. They are hot-swappable, Small Form Factor Pluggable (SFP) compliant with the Multi-Source Agreement (MSA) specification. The transceivers have duplex LC connectors and provide IEEE 802.3u compliant link for up to 100Mbps in the half duplex mode (or 200Mbps full-duplex mode) transmission for fiber cable applications.

D-Link's highly integrated transceivers offer low jitter performance for extended optical links support without performance degradation. This high performance enables reliable data transfer in short-, intermediate- and long-distances for building, factory, campus and metropolitan networking applications.

Previous combo-port switch designs have only provided Gigabit copper or SFP fiber-optic connectivity but not 100BASE-FX SFP fiber-optic connectivity. Switch designs like the DES-1226G and DES-3526 are of the former type. D-Link now provides 100BASE-FX SFP fiberoptic connectivity on Gigabit combo SFP ports for new switch model designs. Futher, in our effort to offer a full product porfolio, D-Link has developed the DEM-210 100BASE-FX SFP transceiver which can plug-in to the Gigabit combo SFP fiber-optic slot of selected switches to provide 100BASE-FX connectivity.

The transceiver connects with certain specific supported D-Link switches. It is not for use in the Gigabit SFP fiber-optic ports found in other switches. The current list of D-Link switches that support the new module includes the following: DES-1228, DES-1228P, DES-1252, DHS-3028, DHS-3628F, DHS-3626F, DGS-3612G.

Specifications

- Compatible with: DES-1228, DES-1228P, DES-3252P, DES-3228PA, DES-1252, DGS-3612G
- Capacity: 100Mbps half-duplex (200Mbps full-duplex)
- Fiber Type: 62.5/125um Multi-mode
- Maximum Cable Distance: 2km
- Wave Length: 1310nm
- Network Protocol and Standards

  - IEEE: 802.3u 100BASE-FX
  - Emissions: FCC Class B, CE, ICES-003, VCCI
  - Safety: FDA/CDRH, TUV, UL, RoHS
- Physical & Environmental

  - Dimensions (L x W x H): 0.5in x 2.28in x 0.3in
  - Weight: 0.03lbs
  - Temperature
    - Operating: 32°F to 158°F(0°C - 70°C)
    - Storage: -40°F to 185° F(-40°C - 85°C)
  - Humidity
    - Operating: 10% to 90% RH, Non-condensing
    - Storage: 5% to 90% RH, Non-condensing
- Power Budget: 13dB
- Power Voltage: 3.3V
- Output Optical Power: Max.-14dBm, Min.-19dBm

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