

Product Highlights

Covers Vast Distances

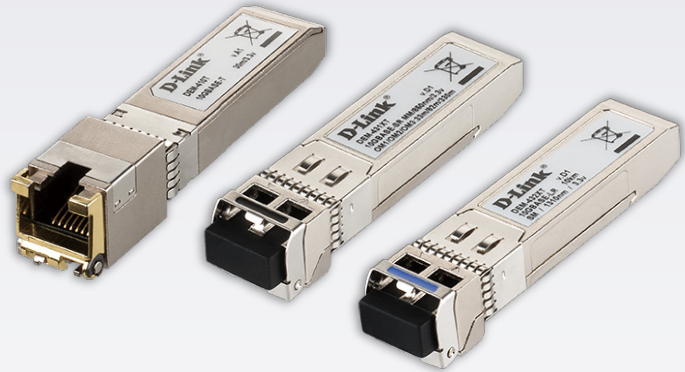
Support for maximum fiber lengths of up to 40 km, ideal for businesses spanning multiple premises, as well as copper lengths of up to 30 m

High Performance

Full duplex Gigabit data transfer rates provide the network transmission speeds that business environments demand.

Hot Pluggable

Easily switch out transceivers while the power is on, facilitating network maintenance and minimizing downtime



DEM-F400 Series

10 Gigabit SFP Transceivers

Features

- Enhanced Small Form-Pluggable (SFP+) form factor
- Hot pluggable
- Support 10G Ethernet
- Support fibre cables up to 20 km
- Support copper cables up to 30 m
- Compliant with IEEE802.3ae standard

D-Link's 10G SFP+ Module series are hot-swappable SFP+ transceivers that plug into SFP+ slots on switches and support 10G Ethernet. The D-Link 10GBASE SFP+ Module Series transceivers offer customers a wide variety of 10G Ethernet connectivity options for data centers, enterprise wiring closets, and service provider transport applications. They are hot pluggable and Enhanced Small Form Factor Pluggable (SFP+) compliant with the Multi-Source Agreement (MSA) specification.

Enhanced Small Form-factor Pluggable Format

The transceivers use the Enhanced Small Formfactor Pluggable format (SFP+). The SFP+ form factor is smaller than other form factors such as Xenpak, X2, and 10G XFP, ensuring lower costs, lower power disruption, and higher port density. They provide the necessary signal amplification for data to be transmitted to the network cable from the port, and vice versa, for the port to receive data from the network cable.

Hot Pluggable

All D-Link transceivers are hot-pluggable. You can connect a transceiver while the system is powered on without causing any problems. This permits modules to be added or removed without interrupting the network.

10G Ethernet speeds

The transceivers all support 10G Ethernet, which results in very fast data transmissions of up to 10 Gbit/s. This is 10 times faster than Gigabit Ethernet and enables the switch to handle faster and higher data transmissions, making it very suitable for business needs.

DEM-F400 Series 10 Gigabit SFP Transceivers

Technical Specifications			
	DEM-F410T	DEM-F431XT	DEM-F432XT
Standard Compliance	• IEEE 802.3an 10GBase-T • IEEE 802.3ab 1000BASE-T	• IEEE-802.3ae • 10GBASE-SR	• IEEE-802.3ae • 10GBASE-LR
Transceiver Type	• SFP+	• SFP+	• SFP+
Fiber Media Support	• NA	• Multi-Mode	• Single-Mode
Distance Capacity	• 10GBASE-T up to 30 m with Cat 6a	• 62.5 μm, 160 MHz-km: 26 m • 62.5 μm, OM1 200 MHz-km: 33 m • 50 μm, 400 MHz-km: 66 m • 50 μm, OM2 500 MHz-km: 82 m • 50 μm, OM3 2000 MHz-km: 300 m	• 10 km
Hot Pluggable	✓	✓	✓
Speed	• 10 Gbps	• 10 Gbps	• 10 Gbps
Connector	• RJ45	• Duplex LC connector	• Duplex LC connector
Single/Bi Direction	• NA	• Single direction	• Single direction
Wavelength	• NA	• 850 nm	• 1310 nm
Operating Temperature	• 0 to 65 °C	• -5 to 70 °C	• -5 to 70 °C

Ordering Information	
Part Number	Description
DEM-F410T	10GBASE-T SFP+ Transceiver HW A1
DEM-F431XT	10GBase-SR Multi-Mode, SFP+ (850 nm) HW A1
DEM-F432XT	10GBase-LR Single-Mode, 10KM, SFP+ (1310 nm) HW B1

Document History		
New / Revised Topic	Described in	Date
Document Created	Datasheet	16 th November 2023
Revision	DEM-F432XT Hardware version A1 is discontinued from 14 th March 2025	17 th March 2025
Revision	DEM-F432XT Hardware version changed from A1 to B1 (Distance capacity change from 20km to 10km) HW A1 is discontinued	28 th March 2025