WESTERN NETWORKS

Gigabit SFP Transceivers

Western Gigabit SFP Transceivers plug into Gigabit and Fast Ethernet switches via their GBIC slots. They allow for the expansion of Gigabit Ethernet networks by providing high-speed connections over a fibre-optic. The fibre-optic transceivers have standard duplex LC connectors to provide maximum compatibility. They are hot pluggable and Small Form Factor Pluggable (SFP) compliant with the Multi-Source Agreement (MSA) specification.

FEATURES

- Small Form factor Pluggable (SFP)
- Multi-Source Agreement (MSA) specification compliant
- IEEE 802.3z standard
- Supports cable distances of up to 550 m / 1 km / 2 km / 10 km
- FDA, CDRH, TUV Laser Eye safety certified
- TTL signal detect indicator
- Metal enclosure for lower EMI

Small Form Pluggable (SFP) Package

The Gigabit SFP Transceivers use the Small Form-factor Pluggable (SFP) design. They provide the necessary signal amplification for data to be transmitted to the network cable from the port, and vice versa. The SFP form factor is advantageous because it is smaller than other form factors such as Xenpak, X2, and 10G XFP, ensuring lower costs, lower power disruption, and higher port density.

Multiple Applications

Applications of the DEM-300 Series fibre transceivers include distributed multi processing, Gigabit switch cascading, high-speed I/O file transfer, bus extension application, and channel extender/data storage. This versatility is invaluable for an expanding network, and helps the infrastructure grow with the business.

Hot Pluggable

All Western transceivers are hot pluggable. You can connect a transceiver while the system is powered on without causing any issues, and easily swap one for another without having to reboot the switch each time. This permits modules to be added or removed without interrupting the network, facilitating maintenance and greatly reducing downtime.

SPECIFICATION

Technical Specifications			
	DEM-310GT	DEM-311GT	DEM-312GT2
Transceiver Type	SFP	SFP	SFP
Fiber Media Support	Single-Mode	Multi-Mode	Multi-Mode
Speed	1.25 Gbps	1 Gbps	1Gbps
Distance	20 km	550 m	62.5/125 um fiber: 1 km
Compliant Standard	IEEE802.3z 1000BASE-LX	IEEE802.3z 1000BASE-SX	IEEE802.3z 1000BASE-SX
Connector	Duplex LC connector	Duplex LC connector	Duplex LC connector
Single/Bi Direction	Single-direction	Single-direction	Single-direction
Wavelength	1310 nm	850 nm	1310 nm
Power Supply	3.3 V	3.3 V	3.3 V