



## DEM-220T

**100Base-BX-D Single-Mode SFP transceiver (up to 20 km), Tx:1550 nm, Rx:1310 nm**

## DEM-220R

**100Base-BX-U Single-Mode SFP transceiver (up to 20 km), Tx:1310 nm, Rx:1550 nm**

The DEM-220T/220R bidirectional SFP fiber transceivers are external transceivers designed for insertion in SFP (Small Form-Factor Pluggable) slot of network device for transmission and reception of data signals on the fiber cables. These transceivers provide the 100Base-BX operation and physical compactness to deliver the speed, reliable long-distance data transfer, and deployment flexibility that today's fiber networks require.

### **Ideal for Long Distance Application**

The DEM-220T/220R transceivers can be used to connect switches, servers and fiber modules on a campus or metropolitan area network (MAN). Providing up to 20 km of fiber cable distance, these highly integrated transceivers offer low jitter performance for advanced optical communication support without any performance degradation.

### **Reliable Transmission**

The DEM-220T/220R transceivers combine transmitting and receiving signals onto one fiber strand using two wavelengths. These transceivers are used in pair. At one end, one transceiver uses one wavelength to transmit and a second wavelength to receive. At the other end, the other transceiver flips that relationship.

### **Standard Compliance**

The DEM-220T/220R transceivers use standard simplex LC connectors for fiber cable connection. They conform to industry standards. Hot-swap capability allows network administrators to plug or unplug them from the SFP slots without having to turn off the power of the connected device.

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General features		
Model	DEM-220T	DEM-220R
Standard	IEEE 802.3ah 100Base-BX-D	IEEE 802.3ah 100Base-BX-U
Wavelength	Tx: 1550 nm, Rx: 1310 nm	Tx: 1310 nm, Rx: 1550 nm
Data Rate	155 Mbps	
Connector	Simplex LC	
Fiber Type	9/125 um Single-mode Fiber	
Maximum Fiber Cable Length	20 km	
Transmit Power Range	5 dBm to -9 dBm	
Receive Power Range	5 dBm to -34 dBm	
Sensitivity	-33 dBm	
Supported Features	Hot swap MSA compliant RoHS compliant	
Physical Parameters		
Power Support	3.3 V	
Supply Current	300 mA	
Temperature	Operating: -5 to 75 °C Storage: -40 to 85 °C	
Dimensions	56.4 mm x 13.7 mm x 8.5 mm	
Order info		
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