

# GBIC Ethernet Transceivers

| PART NUMBER                        | DESCRIPTION           |
|------------------------------------|-----------------------|
| Gigabit Ethernet Transceiver, GBIC |                       |
| •GEP-21000S-C                      | 1000SX/SC/MM, 850 nm  |
| •GEP-21100L-C                      | 1000LX/SC/SM, 1300 nm |

| PART NUMBER                                   | DESCRIPTION           |
|-----------------------------------------------|-----------------------|
| Gigabit Ethernet Transceiver, GBIC SFP (Mini) |                       |
| •GEP-22000S-L                                 | 1000SX/LC/MM, 850 nm  |
| •GEP-22100L-L                                 | 1000LX/LC/SM, 1300 nm |

## Specifications

### Interface:

SC Duplex, Multi- and Single Mode

### Medium: Optical fiber:

MM, 62.5/125µm or 50/125µm

SM, 8/125µm or 9/125µm

### Distance:

MM, 62.5/125µm, 220m; 50/125µm, 500m

SM, 8 or 9/125µm, 10km

### Transmitter:

Center wavelength: MM, 850 nm  
SM, 1300 nm

Optical Power Out: -9.5 to -4.0 dBm (MM)  
-9.5 to -3.0 dBm (SM)

### Receiver:

Operating Wavelength: 770 - 860 nm (MM)  
1100 - 1600 nm (SM)

Optical Input Power Max: 0 dBm

Optical Return Loss: 12 dBm

Supply Voltage: 3.3/5.0V

Supply Current: 300mA

Operating Temp: 0° - 70°C

Storage Temp: -40° - 85°C

### Interface:

LC Duplex, Multi- and Single Mode

### Medium: Optical fiber:

MM, 62.5/125µm or 50/125µm

SM, 8/125µm or 9/125µm

### Distance:

MM, 62.5/125µm, 220m; 50/125µm, 500m

SM, 8 or 9/125µm, 10km

### Transmitter:

Center wavelength: MM, 850 nm  
SM, 1300 nm

Optical Power Out: -9.5 to -4.0 dBm (MM)  
-9.5 to -3.0 dBm (SM)

### Receiver:

Operating Wavelength: 770 - 860 nm (MM)  
1100 - 1600 nm (SM)

Optical Input Power Max: -3 dBm (MM), -7 dBm (SM)

Optical Return Loss: 12 dBm

Supply Voltage: 3.3V

Supply Current: 250mA

Operating Temp: 0° - 70°C

Storage Temp: -40° - 85°C



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