



OFM330R

**1000Base-BX-U Single-Mode WDM SFP transceiver (up to 3 km/10 km),
Tx:1310 nm, Rx:1550 nm**



OFM330R is a bidirectional WDM SFP transceiver with 1x1000Base-BX-U port for single-mode optical cable (up to 3/10 km).

The OFM330R is designed to work with 9/125 um single-mode fiber. The transceiver provides data transmission speeds of up to 1.25 Gbps over a distance of up to 3 km (OFM330R/3KM) and up to 10 km (OFM330R/10KM).

The OFM330R / OFM330T transceivers combine transmitting and receiving signals onto one fiber strand using two wavelengths. These transceivers are used in pair. The operating wavelength of OFM330R is Tx:1310 nm, Rx:1550 nm.

The OFM330R complies with SFP MSA specifications and is hot-pluggable.

Key Features

- Works in pair with OFM330T
- Small Form-Factor Pluggable (SFP)
- 1x1000Base-BX-U port
- Fiber type: 9/125 um single-mode
- Maximum fiber cable length up to 3 km or up to 10 km
- Operating wavelength – Tx: 1310 nm, Rx: 1550 nm
- Hot-pluggable



Specifications

Hardware

Transceiver Type	<ul style="list-style-type: none">• SFP
Interfaces	<ul style="list-style-type: none">• 1x1000Base-BX-U
Connector	<ul style="list-style-type: none">• Simplex LC (OFM330R/3KM/A1)• Simplex SC (OFM330R/3KM/B1)• Simplex LC (OFM330R/10KM)
Uni-/Bi-directional	<ul style="list-style-type: none">• Bi-directional
Data Rate	<ul style="list-style-type: none">• 1.25 Gbps
Maximum Fiber Cable Length	<ul style="list-style-type: none">• 3 km (OFM330R/3KM)• 10 km (OFM330R/10KM)
Fiber Type	<ul style="list-style-type: none">• 9/125 um Single-mode Fiber
Wavelength	<ul style="list-style-type: none">• Tx: 1310 nm, Rx: 1550 nm
Transmit Power Range	<ul style="list-style-type: none">• OFM330R/3KM -7 to -13 dBm• OFM330R/10KM -3 to -9 dBm
Receive Power Range	<ul style="list-style-type: none">• OFM330R/3KM 0 to -20 dBm• OFM330R/10KM -3 to -22 dBm
Sensitivity	<ul style="list-style-type: none">• -20 dBm (OFM330R/3KM)• -22 dBm (OFM330R/10KM)
Standard	<ul style="list-style-type: none">• IEEE 802.3z 1000Base-BX-U
Supported Features	<ul style="list-style-type: none">• Hot swap• MSA compliant• RoHS compliant

Physical Parameters

Dimensions (L x W x H)	<ul style="list-style-type: none">• 63.8 x 13.4 x 8.5 mm (OFM330R/3KM/B1 with SC connector)• 55.4 x 13.4 x 8.5 mm (OFM330R/10KM and OFM330R/3KM/A1 with LC connector)
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Operating Conditions

Power Support	<ul style="list-style-type: none">• 3.3 V
Supply Current	<ul style="list-style-type: none">• 220 mA (OFM330R/3KM)• 250 mA (OFM330R/10KM)
Temperature	<ul style="list-style-type: none">• Operating: 0 to 70 °C• Storage: -40 to 85 °C
Humidity	<ul style="list-style-type: none">• Operating: 0% to 85%• Storage: 0% to 85%

Package Contents

Package Contents	<ul style="list-style-type: none">• OFM330R Transceiver
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Compatible Equipment

WDM SFP Transceivers	<ul style="list-style-type: none">• OFM330T/3KM/A1 (for OFM330R/3KM/A1)• OFM330T/3KM/B1 (for OFM330R/3KM/B1)• OFM330T/10KM (for OFM330R/10KM)
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Order Info

OFM330R/3KM/A1	WDM SFP Transceiver, 1000Base-BX-U (Simplex LC), Tx:1310nm, Rx:1550nm, single-mode fiber, up to 3km
OFM330R/3KM/B1	WDM SFP Transceiver, 1000Base-BX-U (Simplex SC), Tx:1310nm, Rx:1550nm, single-mode fiber, up to 3km
OFM330R/10KM	WDM SFP Transceiver, 1000Base-BX-U (Simplex LC), Tx:1310nm, Rx:1550nm, single-mode fiber, up to 10km