

# 10GE/GE/FE Fiber Transceivers

## Product Overview

Edgecore's pluggable optical transceivers provide fiber and copper connectivity over the entire range of Edgecore products. The optical transceivers allow a product the flexibility to expand by media type (copper/fiber), speed (FE/GE/10GE), and distance (100 m to 80 km). Edgecore also offers SFP, XFP, and SFP+ pluggable transceivers that comply with network-industry standards. This compliance enables Edgecore transceivers to be used together with any industry-standard network equipment.

## Key Features and Benefits

- Varied Distance and Speed  
Edgecore's SFP transceivers offer various distances from 550 m to 80 km with FE, GE, and 10GE speeds. The complete properties can meet most demanding applications.
- Compact Design  
Edgecore's SFP transceivers are a compact size, designed for high-port-density fiber switches.
- Standard Compliance  
Mechanical dimensions compliant to SFF INF-8074i  
Optical interface compliant to 802.3ae and 802.3z  
Class 1 laser safety standard IEC 825 compliant
- RoHS compliant
- Hot swappable
- Low power consumption
- Bi-Directional SFP  
Bi-directional SFP transceivers support transmit and receive data over a single fiber.
- Digital Diagnostics Monitoring Interface (DDMI)  
This feature gives the end user the ability to monitor real-time parameters of the SFP, such as optical output power, optical input power, temperature, laser bias current, and transceiver supply voltage.

# 10GE/GE/FE Fiber Transceivers Product Specifications

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## 10G XFP Transceivers: ET5302 Series

Models	Connect Speed	Wavelength	Transmission Distance	Connector	Fiber Mode	Supply Voltage	Temperature
ET5302-SR	10 Gbps	850 nm	300 M	LC	M	3.15~3.45 V	-5°C~+70°C
ET5302-LR	10 Gbps	1310 nm	10 KM	LC	S	3.15~3.45 V	-5°C~+70°C
ET5302-ER	10 Gbps	1550 nm	40 KM	LC	S	3.15~3.45 V	-5°C~+70°C
ET5302-ZR	10 Gbps	1550 nm	80 KM	LC	S	3.15~3.45 V	-5°C~+70°C

## 10G SFP+ Transceivers: ET5402 Series

Models	Connect Speed	Wavelength	Transmission Distance	Connector	Fiber Mode	Supply Voltage	Temperature
ET5402-SR	10 Gbps	850 nm	300 M 400 M	LC	M - OM3 M - OM4	3.15~3.45 V	-5°C~+70°C
ET5402-LR	10 Gbps	1310 nm	10 KM	LC	S	3.15~3.45 V	-5°C~+70°C

## Gigabit Ethernet Transceivers: ET4201 Series

Models	Connect Speed	Wavelength	Transmission Distance	Connector	Fiber Mode	Supply Voltage	Temperature
ET4201-SX	1000 Mbps	850 nm	550 M	LC	M	3.15~3.5 V	0°C~+70°C
ET4201-LX	1000 Mbps	1310 nm	10 KM	LC	S	3.15~3.5 V	0°C~+70°C
ET4201-LHX	1000 Mbps	1310 nm	40 KM	LC	S	3.15~3.5 V	0°C~+70°C
ET4201-ZX	1000 Mbps	1550 nm	80 KM	LC	S	3.15~3.5 V	0°C~+70°C
ET4201-RJ45	1000 Mbps	-	100 M	RJ-45	-	3.13~3.47 V	0°C~+70°C

## Gigabit Ethernet Transceivers: ET4202 Series (with DDM)

Models	Connect Speed	Wavelength	Transmission Distance	Connector	Fiber Mode	Supply Voltage	Temperature
ET4202-SX	1000 Mbps	850 nm	550 M	LC	M	3.1~3.5 V	0°C~+70°C
ET4202-LX	1000 Mbps	1310 nm	10 KM	LC	S	3.1~3.5 V	0°C~+70°C

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## Gigabit Ethernet Transceivers: ET4203 Series (Bi-Directional SFP)

Models	Connect Speed	Wavelength	Transmission Distance	Connector	Fiber Mode	Supply Voltage	Temperature
ET4203-BX20	1000 Mbps	1310 nm (TX)/ 1490 nm (RX)	20 KM	LC	S	3.1~3.5 V	0°C~+70°C
ET4203-BX20D	1000 Mbps	1490 nm (TX)/ 1310 nm (RX)	20 KM	LC	S	3.1~3.5 V	0°C~+70°C
ET5302-ER	10 Gbps	1550 nm	40 KM	LC	S	3.15~3.45 V	-5°C~+70°C

## Gigabit Ethernet Transceivers: ET4204 Series (Bi-Directional SFP)

Models	Connect Speed	Wavelength	Transmission Distance	Connector	Fiber Mode	Supply Voltage	Temperature
ET4204-BX10	1000 Mbps	1310 nm (TX)/ 1550 nm (RX)	10 KM	LC	S	3.1~3.5 V	0°C~+70°C
ET4204-BX10D	1000 Mbps	1550 nm (TX)/ 1310 nm (RX)	10 KM	LC	S	3.1~3.5 V	0°C~+70°C

## Fast Ethernet Transceivers : ET3201 Series (Bi-Directional SFP)

Models	Connect Speed	Wavelength	Transmission Distance	Connector	Fiber Mode	Supply Voltage	Temperature
ET3201- FXP	100 Mbps	1310 nm (TX)/ 1550 nm (RX)	2 KM	LC	M	3.1~3.5 V	0°C~+70°C
ET3201- FX20	100 Mbps	1550nm (TX)/ 1310nm (RX)	10/20 KM	LC	S	3.1~3.5 V	0°C~+70°C

## Fast Ethernet Transceivers: ET3203 Series (Bi-Directional SFP)

Models	Connect Speed	Wavelength	Transmission Distance	Connector	Fiber Mode	Supply Voltage	Temperature
ET3203-BX20	100 Mbps	1310 nm (TX)/ 1550 nm (RX)	E10/20 KM	LC	S	3.1~3.5 V	0°C~+70°C
ET3203-BX20D	100 Mbps	1550nm (TX)/ 1310nm (RX)	10/20 KM	LC	S	3.1~3.5 V	0°C~+70°C

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		ECS5000 Series			ECS4600 Series				
		ECS5610-52S	ECS5510-48S	ECS5510-24S	ECS4660-28F	ECS4610-26T	ECS4610-50T	ES4610-24F	ES4612
<b>10G XFP</b>	ET5302-SR	-	-	-	√	√	√	-	-
	ET5302-LR	-	-	-	√	√	√	-	-
	ET5302-ER	-	-	-	√	√	√	-	-
	ET5302-ZR	-	-	-	√	√	√	-	-
<b>10G SFP+</b>	ET5402-SR	√	√	√	√	√	√	-	-
	ET5402-LR	√	√	√	√	√	√	-	-
<b>GE SFP</b>	ET4201-SX	√	√	√	√	√	√	√	√
	ET4201-LX	√	√	√	√	√	√	√	√
	ET4201-LHX	√	√	√	√	√	√	√	√
	ET4201-ZX	√	√	√	√	√	√	√	√
	ET4201-RJ45	√	√	√	√	√	√	√	√
	ET4202-SX	√	√	√	√	√	√	√	√
	ET4202-LX	√	√	√	√	√	√	√	√
	ET4203-BX20	√	√	√	√	√	√	√	√
	ET4203-BX20D	√	√	√	√	√	√	√	√
	ET4204-BX10	√	√	√	√	√	√	√	√
	ET4204-BX10D	√	√	√	√	√	√	√	√
<b>FE SFP</b>	ET3201-FXP	-	-	-	√	-	-	-	-
	ET3201-FX20	-	-	-	√	-	-	-	-
	ET3203-BX20	-	-	-	√	-	-	-	-
	ET3203-BX20D	-	-	-	√	-	-	-	-

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		ECS4500 Series								
		ECS4510-28T	ECS4510-28P	ECS4510-28F	ECS4510-52T	ECS4510-52P	ES4524D	ES4548D	ECS4810-28TS	ECS4810-12M
<b>10G XFP</b>	ET5302-SR	-	-	-	-	-	-	-	-	-
	ET5302-LR	-	-	-	-	-	-	-	-	-
	ET5302-ER	-	-	-	-	-	-	-	-	-
	ET5302-ZR	-	-	-	-	-	-	-	-	-
<b>10G SFP+</b>	ET5402-SR	√	√	√	√	√	-	-	-	-
	ET5402-LR	√	√	√	√	√	-	-	-	-
<b>GE SFP</b>	ET4201-SX	√	√	√	√	√	√	√	√	√
	ET4201-LX	√	√	√	√	√	√	√	√	√
	ET4201-LHX	√	√	√	√	√	√	√	√	√
	ET4201-ZX	√	√	√	√	√	√	√	√	√
	ET4201-RJ45	√	√	√	√	√	√	√	√	√
	ET4202-SX	√	√	√	√	√	-	-	-	-
	ET4202-LX	√	√	√	√	√	-	-	-	-
	ET4203-BX20	√	√	√	√	√	√	√	√	√
	ET4203-BX20D	√	√	√	√	√	√	√	√	√
	ET4204-BX10	√	√	√	√	√	√	√	√	√
	ET4204-BX10D	√	√	√	√	√	√	√	√	√
<b>FE SFP</b>	ET3201-FXP	√	√	√	√	√	-	-	-	-
	ET3201-FX20	√	√	√	√	√	-	-	-	-
	ET3203-BX20	√	√	√	√	√	-	-	-	-
	ET3203-BX20D	√	√	√	√	√	-	-	-	-

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		ECS4200 Series				ECS4100 Series	
		ECS4210-12T	ECS4210-12P	ECS4210-28T	ECS4210-28P	ECS4110-52T	ECS4110-52P
<b>10G XFP</b>	ET5302-SR	-	-	-	-	-	-
	ET5302-LR	-	-	-	-	-	-
	ET5302-ER	-	-	-	-	-	-
	ET5302-ZR	-	-	-	-	-	-
<b>10G SFP+</b>	ET5402-SR	-	-	-	-	-	-
	ET5402-LR	-	-	-	-	-	-
<b>GE SFP</b>	ET4201-SX	√	√	√	√	√	√
	ET4201-LX	√	√	√	√	√	√
	ET4201-LHX	√	√	√	√	√	√
	ET4201-ZX	√	√	√	√	√	√
	ET4201-RJ45	√	√	√	√	√	√
	ET4202-SX	√	√	√	√	√	√
	ET4202-LX	√	√	√	√	√	√
	ET4203-BX20	√	√	√	√	√	√
	ET4203-BX20D	√	√	√	√	√	√
	ET4204-BX10	√	√	√	√	√	√
	ET4204-BX10D	√	√	√	√	√	√
<b>FE SFP</b>	ET3201-FXP	-	-	-	-	-	-
	ET3201-FX20	-	-	-	-	-	-
	ET3203-BX20	-	-	-	-	-	-
	ET3203-BX20D	-	-	-	-	-	-

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		ECS3500 Series									
		ES3510MA	ES3510MA-DC	ES3528M	ES3552M	ES3528M-SFP	ES3528MV2	ES3528MV2-DC	ECS3510-28T	ECS3510-52T	ECS3810-26T
<b>10G XFP</b>	ET5302-SR	-	-	-	-	-	-	-	-	-	-
	ET5302-LR	-	-	-	-	-	-	-	-	-	-
	ET5302-ER	-	-	-	-	-	-	-	-	-	-
	ET5302-ZR	-	-	-	-	-	-	-	-	-	-
<b>10G SFP+</b>	ET5402-SR	-	-	-	-	-	-	-	-	-	-
	ET5402-LR	-	-	-	-	-	-	-	-	-	-
<b>GE SFP</b>	ET4201-SX	√	√	√	√	√	√	√	√	√	√
	ET4201-LX	√	√	√	√	√	√	√	√	√	√
	ET4201-LHX	√	√	√	√	√	√	√	√	√	√
	ET4201-ZX	√	√	√	√	√	√	√	√	√	√
	ET4201-RJ45	√	√	√	√	√	√	√	√	√	√
	ET4202-SX	√	√	-	-	-	√	√	√	√	√
	ET4202-LX	√	√	-	-	-	√	√	√	√	√
	ET4203-BX20	√	√	√	√	√	√	√	√	√	√
	ET4203-BX20D	√	√	√	√	√	√	√	√	√	√
	ET4204-BX10	√	√	√	√	√	√	√	√	√	√
	ET4204-BX10D	√	√	√	√	√	√	√	√	√	√
<b>FE SFP</b>	ET3201-FXP	√	√	-	-	-	√	√	√	√	√
	ET3201-FX20	√	√	-	-	-	√	√	√	√	√
	ET3203-BX20	√	√	-	-	-	√	√	√	√	√
	ET3203-BX20D	√	√	-	-	-	√	√	√	√	√

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		ECS2000 Series						
		ECS2000-10P	ECS2000-18T	ECS2000-18P	ECS2000-26T	ECS2000-26P	ECS2000-50T	ECS2000-50P
10G XFP	ET5302-SR	-	-	-	-	-	-	-
	ET5302-LR	-	-	-	-	-	-	-
	ET5302-ER	-	-	-	-	-	-	-
	ET5302-ZR	-	-	-	-	-	-	-
10G SFP+	ET5402-SR	-	-	-	-	-	-	-
	ET5402-LR	-	-	-	-	-	-	-
GE SFP	ET4201-SX	√	√	√	√	√	√	√
	ET4201-LX	√	√	√	√	√	√	√
	ET4201-LHX	√	√	√	√	√	√	√
	ET4201-ZX	√	√	√	√	√	√	√
	ET4201-RJ45	√	√	√	√	√	√	√
	ET4202-SX	-	-	-	-	-	-	-
	ET4202-LX	-	-	-	-	-	-	-
	ET4203-BX20	√	√	√	√	√	√	√
	ET4203-BX20D	√	√	√	√	√	√	√
	ET4204-BX10	√	√	√	√	√	√	√
	ET4204-BX10D	√	√	√	√	√	√	√
FE SFP	ET3201-FXP	√	√	√	√	√	√	√
	ET3201-FX20	√	√	√	√	√	√	√
	ET3203-BX20	√	√	√	√	√	√	√
	ET3203-BX20D	√	√	√	√	√	√	√



## For More Information

To find out more about Edgecore Networks Corporation products and solutions, visit [www.edge-core.com](http://www.edge-core.com).

## About Edgecore Networks Corporation

Edgecore Networks Corporation is in the business of providing innovative network solutions. In the service provider network, in the data center or in the cloud, Edgecore Networks Corporation delivers the software and systems that transform the way the world connects. Edgecore Networks Corporation serves customers and partners worldwide. Additional information can be found at [www.edge-core.com](http://www.edge-core.com).

Edgecore Networks Corporation is a subsidiary of Accton Technology Corporation, the leading network ODM company. The Edgecore Data Center switches are developed and manufactured by Accton.

To purchase Edgecore Networks solutions, please contact your Edgecore Networks Corporation representatives at +886 3 563 8888 (HQ) or +1 (949)-336-6801 or authorized resellers.

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