

## 10GE/GE/FE Fiber Transceivers

### Product Overview

The Edgecore pluggable optical transceivers provide fiber and copper connectivity over our entire range of products. Our 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 industry-standard networking regulations. This compliance permits Edgecore Networks transceivers to be used together with any industry-standard networking 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 speed. The complete properties can meet most demands.
- Compact Design  
Edgecore's SFP transceivers are a compact size, designed for high-port-density fiber switches.
- Standard Compliance  
Optical interface compliant to 802.3ae  
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 in 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.

## 10G XFP Transceivers: ET5302 Series

Models	Connect Speed	Wavelength	Transmission Distance	Connector	Fiber Mode	Supply Voltage	Temperature
ET5302-SR	10Gbps	850nm	300 M	LC	M	3.15~3.45 V	-5°C~+70°C
ET5302-LR	10Gbps	1310nm	10 KM	LC	S	3.15~3.45 V	-5°C~+70°C
ET5302-ER	10Gbps	1550nm	40 KM	LC	S	3.15~3.45 V	-5°C~+70°C
ET5302-ZR	10Gbps	1550nm	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	10Gbps	850nm	300 M	LC	M	3.15~3.45 V	-5°C~+70°C
ET5402-LR	10Gbps	1310nm	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	1000Mbps	850nm	550 M	LC	M	3.15~3.5 V	0°C~+70°C
ET4201-LX	1000Mbps	1310nm	10 KM	LC	S	3.15~3.5 V	0°C~+70°C
ET4201-LHX	1000Mbps	1310nm	40 KM	LC	S	3.15~3.5 V	0°C~+70°C
ET4201-ZX	1000Mbps	1550nm	80 KM	LC	S	3.15~3.5 V	0°C~+70°C
ET4201-RJ45	1000Mbps	-	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	1000Mbps	850nm	550 M	LC	M	3.1~3.5 V	0°C~+70°C
ET4202-LX	1000Mbps	1310nm	10 KM	LC	S	3.1~3.5 V	0°C~+70°C

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

Models	Connect Speed	Wavelength	Transmission Distance	Connector	Fiber Mode	Supply Voltage	Temperature
ET4203-BX20	1000Mbps	1310nm(TX) / 1490nm (RX)	20 KM	LC	S	3.1~3.5 V	0°C~+70°C
ET4203-BX20D	1000Mbps	1490nm(TX) / 1310nm (RX)	20 KM	LC	S	3.1~3.5 V	0°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	1000Mbps	1310nm(TX) / 1550nm (RX)	10 KM	LC	S	3.1~3.5 V	0°C~+70°C
ET4204-BX10D	1000Mbps	1550nm(TX) / 1310nm (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	100Mbps	1310nm(TX) / 1550nm (RX)	2 KM	LC	S	3.1~3.5 V	0°C~+70°C
ET3201- FX20	100Mbps	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	100Mbps	1310nm(TX) / 1550nm (RX)	10/20 KM	LC	S	3.1~3.5 V	0°C~+70°C
ET3203-BX20D	100Mbps	1550nm(TX) / 1310nm (RX)	10/20 KM	LC	S	3.1~3.5 V	0°C~+70°C

		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	-	-	-	√	-	-	-	-

		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	√	√	√	√	√	-	-	-	-

		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	-	-	-	-	-	-

		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	√	√	-	-	-	√	√	√	√	√

		ECS2000 Series						
		ECS2000-10P	ECS2000-18T	ECS2000-18P	ECS2000-26T	ECS2000-26P	ECS2000-50T	ECS2000-50P
<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	√	√	√	√	√	√	√

