

Transceiver Series Datasheet

10GE/GE/FE Fiber Transceivers

The Edge-Core pluggable optical modules provide fiber and copper connectivity over our entire range of products. Our optical modules allow a product the flexibility to expand by media type (copper/fiber), speed (FE/GE/10GE) and distance (100m to 80km). The Edge-Core also offers SFP, XFP and SFP+ pluggable modules that comply with industry standard networking regulations. This compliance permits Edge-Core Networks modules to be used together with any industry standard networking equipment.

Key Features and Benefits

- ◆ **Varied Distance and Speed**
Edge-Core's SFP transceivers provide the various distance from 550m to 80km with FE, GE and 10GE speed. The completed properties can meet most demanded.
- ◆ **Compacted Size Designed**
Edge-Core's SFP transceiver compacted size also designed for the high port density fiber switch.
- ◆ **Standard Compliance**
Optical interface compliant to 802.3ae
Class 1 laser safety standard IEC 825 compliant
RoHS compliant
- ◆ **Hot Swappable**
- ◆ **Low Power Consumption**
- ◆ **Bi-Direction SFP to Double Usage Bandwidth**
Bi-direction SFP transceivers can support transmission and received data in single fiber. It can easy to double the bandwidth from dual fiber to single without any reconstruction.
- ◆ **Digital Diagnostics Monitoring Interface (DDMI)**
This feature gives the end use 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.

Transceiver Series Datasheet

10GE/GE/FE Fiber Transceivers

Specification and Features

10G XFP Transceivers : ET5302 Series							
Models	Connect Speed	Wavelength	Transmission Distance	Connector	Fiber Mode	Supply Voltage	Temperature
ET5302-SR	10Gbps	850nm	300m	LC	M	3.15 ~3.45V	-5°C ~+70°C
ET5302-LR	10Gbps	1310nm	10km	LC	S	3.15 ~3.45V	-5°C ~+70°C
ET5302-ER	10Gbps	1550nm	40Km	LC	S	3.15 ~3.45V	-5°C ~+70°C
ET5302-ZR	10Gbps	1550nm	80km	LC	S	3.15 ~3.45V	-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	300m	LC	M	3.15 ~3.45V	-5°C ~+70°C
ET5402-LR	10Gbps	1310nm	10km	LC	S	3.15 ~3.45V	-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	550m	LC	M	3.1~3.5 V	0°C ~+70°C
ET4201-LX	1000Mbps	1310nm	10km	LC	S	3.1~3.5 V	0°C ~+70°C
ET4201-LHX	1000Mbps	1310nm	40km	LC	S	3.1~3.5 V	0°C ~+70°C
ET4201-ZX	1000Mbps	1550nm	80km	LC	S	3.1~3.5 V	0°C ~+70°C
ET4201-RJ45	1000Mbps	100nm	100m	LC	S	3.15~3.45V	0°C ~+70°C

Transceiver Series Datasheet

10GE/GE/FE Fiber Transceivers

Gigabit Ethernet Transceivers : ET4202 Series (with DDM)							
Models	Connect Speed	Wavelength	Transmission Distance	Connector	Fiber Mode	Supply Voltage	Temperature
ET4202-SX	1000Mbps	850nm	550nm	LC	M	3.1~3.5V	0°C ~+70°C
ET4202-LX	1000Mbps	1310nm	10km	LC	S	3.1~3.5V	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)	20km	LC	S	3.1~3.5V	0°C ~+70°C
ET4203-BX20D	1000Mbps	1490nm(TX) / 1310nm (RX)	20km	LC	S	3.1~3.5V	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)	10km	LC	S	3.1~3.5V	0°C ~+70°C
ET4204-BX10D	1000Mbps	1550nm(TX) / 1310nm (RX)	10km	LC	S	3.1~3.5V	0°C ~+70°C

Transceiver Series Datasheet 10GE/GE/FE Fiber Transceivers

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)	2km	LC	S	3.1~3.5V	0°C~+70°C
ET3201-FX20	100Mbps	13100nm(TX) / 1550nm (RX)	10/20km	LC	S	3.1~3.5V	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)	10/20km	LC	S	3.1~3.5V	0°C~+70°C
ET3203-BX20D	100Mbps	1550nm(TX) / 1310nm (RX)	10/20km	LC	S	3.1~3.5V	0°C~+70°C

Transceiver Series Datasheet

10GE/GE/FE Fiber Transceivers

Support Switches

		ECS5000 Series			ECS4600 Series				
		ECS5610-52S	ECS5510-48S	ECS5510-24S	ECS4660-28F	ECS4610-26T	ECS4610-50T	ES4610-24F	ES4612
10G XFP	ET5302-SR	-	-	-	0	0	0	-	-
	ET5302-LR	-	-	-	0	0	0	-	-
	ET5302-ER	-	-	-	0	0	0	-	-
	ET5302-ZR	-	-	-	0	0	0	-	-
10G SFP+	ET5402-SR	0	0	0	0	0	0	-	-
	ET5402-LR	0	0	0	0	0	0	-	-
GE SFP	ET4201-SX	0	0	0	0	0	0	0	0
	ET4201-LX	0	0	0	0	0	0	0	0
	ET4201-LHX	0	0	0	0	0	0	0	0
	ET4201-ZX	0	0	0	0	0	0	0	0
	ET4201-RJ45	0	0	0	0	0	0	0	0
	ET4202-SX	0	0	0	0	0	0	0	0
	ET4202-LX	0	0	0	0	0	0	0	0
	ET4203-BX20	0	0	0	0	0	0	0	0
	ET4203-BX20D	0	0	0	0	0	0	0	0
	ET4204-BX10	0	0	0	0	0	0	0	0
	ET4204-BX10D	0	0	0	0	0	0	0	0
	FE SFP	ET3201-FXP	-	-	-	0	-	-	-
ET3201-FX20		-	-	-	0	-	-	-	-
ET3203-BX20		-	-	-	0	-	-	-	-
ET3203-BX20D		-	-	-	0	-	-	-	-

Transceiver Series Datasheet

10GE/GE/FE Fiber Transceivers

		ECS4500 Series								
		ECS4510-28T	ECS4510-28P	ECS4510-28F	ECS4510-52T	ECS4510-52P	ES4524D	ES4548D	ECS4810-28TS	ECS4810-12M
10G XFP	ET5302-SR	-	-	-	-	-	-	-	-	-
	ET5302-LR	-	-	-	-	-	-	-	-	-
	ET5302-ER	-	-	-	-	-	-	-	-	-
	ET5302-ZR	-	-	-	-	-	-	-	-	-
10G SFP+	ET5402-SR	0	0	0	0	0	-	-	-	-
	ET5402-LR	0	0	0	0	0	-	-	-	-
GE SFP	ET4201-SX	0	0	0	0	0	0	0	0	0
	ET4201-LX	0	0	0	0	0	0	0	0	0
	ET4201-LHX	0	0	0	0	0	0	0	0	0
	ET4201-ZX	0	0	0	0	0	0	0	0	0
	ET4201-RJ45	0	0	0	0	0	0	0	0	0
	ET4202-SX	0	0	0	0	0	-	-	-	0
	ET4202-LX	0	0	0	0	0	-	-	-	0
	ET4203-BX20	0	0	0	0	0	0	0	0	0
	ET4203-BX20D	0	0	0	0	0	0	0	0	0
	ET4204-BX10	0	0	0	0	0	0	0	0	0
	ET4204-BX10D	0	0	0	0	0	0	0	0	0
	FE SFP	ET3201-FXP	0	0	0	0	0	-	-	-
ET3201-FX20		0	0	0	0	0	-	-	-	-
ET3203-BX20		0	0	0	0	0	-	-	-	-
ET3203-BX20D		0	0	0	0	0	-	-	-	-

Transceiver Series Datasheet

10GE/GE/FE Fiber Transceivers

		ECS4200 Series				ECS4100 Series	
		ECS4210-12T	ECS4210-12P	ECS4210-28T	ECS4210-28P	ECS4110-52T	ECS4110-52P
10G XFP	ET5302-SR	-	-	-	-	-	-
	ET5302-LR	-	-	-	-	-	-
	ET5302-ER	-	-	-	-	-	-
	ET5302-ZR	-	-	-	-	-	-
10G SFP+	ET5402-SR	-	-	-	-	-	-
	ET5402-LR	-	-	-	-	-	-
GE SFP	ET4201-SX	0	0	0	0	0	0
	ET4201-LX	0	0	0	0	0	0
	ET4201-LHX	0	0	0	0	0	0
	ET4201-ZX	0	0	0	0	0	0
	ET4201-RJ45	0	0	0	0	0	0
	ET4202-SX	0	0	0	0	0	0
	ET4202-LX	0	0	0	0	0	0
	ET4203-BX20	0	0	0	0	0	0
	ET4203-BX20D	0	0	0	0	0	0
	ET4204-BX10	0	0	0	0	0	0
	ET4204-BX10D	0	0	0	0	0	0
	FE SFP	ET3201-FXP	-	-	-	-	-
ET3201-FX20		-	-	-	-	-	-
ET3203-BX20		-	-	-	-	-	-
ET3203-BX20D		-	-	-	-	-	-

Transceiver Series Datasheet

10GE/GE/FE Fiber Transceivers

		ECS3500 Series										
		ES3510 MA	ES3510M A-DC	ES3528 M	ES3552 M	ES3528 M-SFP	ES3528 MV2	ES3528M V2-DC	ECS3510 -28T	ECS3510 -52T	ECS3810- 26T	
10G XFP	ET5302 -SR	-	-	-	-	-	-	-	-	-	-	
	ET5302 -LR	-	-	-	-	-	-	-	-	-	-	
	ET5302 -ER	-	-	-	-	-	-	-	-	-	-	
	ET5302 -ZR	-	-	-	-	-	-	-	-	-	-	
10G SFP +	ET5402 -SR	-	-	-	-	-	-	-	-	-	-	
	ET5402 -LR	-	-	-	-	-	-	-	-	-	-	
GE SFP	ET4201 -SX	0	0	0	0	0	0	0	0	0	0	
	ET4201 -LX	0	0	0	0	0	0	0	0	0	0	
	ET4201 -LHX	0	0	0	0	0	0	0	0	0	0	
	ET4201 -ZX	0	0	0	0	0	0	0	0	0	0	
	ET4201 -RJ45	0	0	0	0	0	0	0	0	0	0	
	ET4202 -SX	0	0	-	-	-	0	0	0	0	0	
	ET4202 -LX	0	0	-	-	-	0	0	0	0	0	
	ET4203 -BX20	0	0	0	0	0	0	0	0	0	0	
	ET4203 -BX20D	0	0	0	0	0	0	0	0	0	0	
	ET4204 -BX10	0	0	0	0	0	0	0	0	0	0	
	ET4204 -BX10D	0	0	0	0	0	0	0	0	0	0	
	FE SFP	ET3201 -FXP	0	0	-	-	-	0	0	0	0	0
		ET3201 -FX20	0	0	-	-	-	0	0	0	0	0
ET3203 -BX20		0	0	-	-	-	0	0	0	0	0	
ET3203 -BX20D		0	0	-	-	-	0	0	0	0	0	

Transceiver Series Datasheet

10GE/GE/FE Fiber Transceivers

		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	0	0	0	0	0	0	0	
	ET4201-LX	0	0	0	0	0	0	0	
	ET4201-LHX	0	0	0	0	0	0	0	
	ET4201-ZX	0	0	0	0	0	0	0	
	ET4201-RJ45	0	0	0	0	0	0	0	
	ET4202-SX	-	-	-	-	-	-	-	
	ET4202-LX	-	-	-	-	-	-	-	
	ET4203-BX20	0	0	0	0	0	0	0	
	ET4203-BX20D	0	0	0	0	0	0	0	
	ET4204-BX10	0	0	0	0	0	0	0	
	ET4204-BX10D	0	0	0	0	0	0	0	
	FE SFP	ET3201-FXP	0	0	0	0	0	0	0
		ET3201-FX20	0	0	0	0	0	0	0
		ET3203-BX20	0	0	0	0	0	0	0
ET3203-BX20D		0	0	0	0	0	0	0	



TEL: 886-3-5638888 FAX: 886-3-6686111
 1, Creation Rd. III, Hsinchu Science Park, Taiwan 30077
 sales_ec@edge-core.com
www.edge-core.com