

ETR6 Series

Single Channel 10/100/1000Mbps Ethernet Transceiver



Main Features

IEEE

Support IEEE 802.3z, 802.3ab, 802.3x, 802.3az, 802.3Qad, 802.3ah standards



Plug and Play



8KV surge protection



Support for single mode



Support 9 - 56VDC wide range voltage supply



With PoE option



Industrial-grade wide operating temperature -40°C to +75°C for Din Rail/Base Plate model



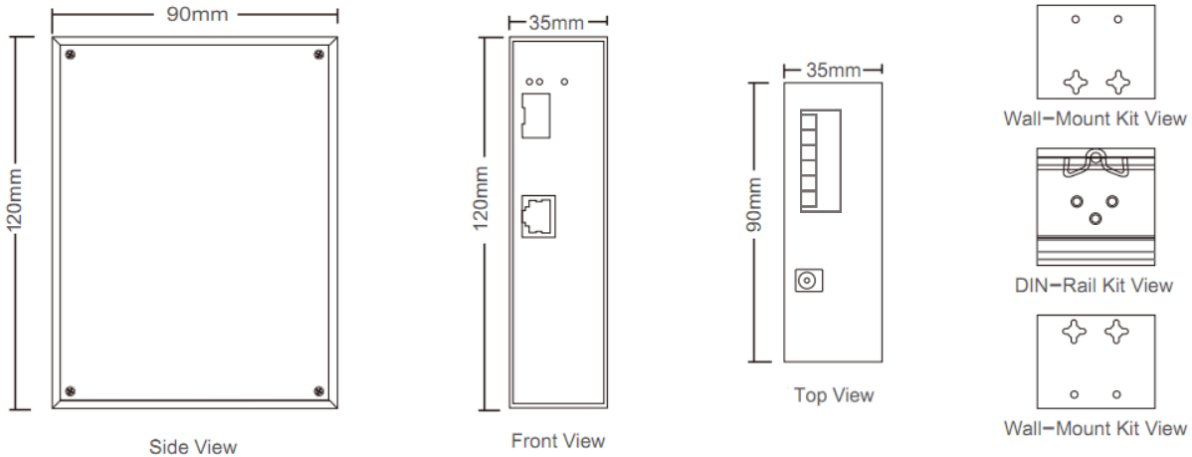
Support for multimode

Din Rail/Base Plate

Card Module

Ethernet		
Standard	IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3ab, IEEE802.3x, IEEE802.3az, IEEE802.3Qad, IEEE802.3ah, IEEE802.1X, IEEE802.1Q, IEEE1588	
Packet Buffer	1M	
Maximum Packet Length	Up to 10K	
MAC Address Table	4K	
Transmission Mode	Store and Forward (full/half duplex mode)	
Exchange Property	Delay time: < 7μs Backplane bandwidth: 10Gbps; Packet forwarding rate: 2.976 Mpps	
Optical		
Wavelength	Backend(T1): 1550nm/1310nm	
	Field(T2): 1310nm/1550nm	
Distance	Single mode: 20/40/60/80km options	
	Multimode: <5km	
Physical		
Ethernet Connector	1 x RJ45 auto sensing 10/100/1000BASE-TX	
Optical Connector	1 x SC/FC/ST connector (options), 100/1000BASE-FX	
Power Over Ethernet (Optional)		
Standard	1x IEEE 802.3af/IEEE 802.3at PoE	
Power Budget	Max. PoE output power budget 30W	
General		
Power Supply	9 - 56VDC (with PoE: 48 - 52VDC)	5VDC
Power Consumption	Full-load<15W	<3W
Operating Temperature	-40°C to +75°C	0°C to +50°C
Storage Temperature	-40°C to +85°C	-40°C to +70°C
Relative Humidity	5% to 90% non-condensing	
Ingress Protection	IP40	
Mounting	Din rail / Base plate	
Dimension (WxHxL)	120 x 90 x 35mm	71 x 94 x 26mm (mount in FRC4 rack chassis)
Weight	380g (with PoE: 430g)	
Certification		
EMC	FCC Part15 Class A, CE-EMC/LVD, RoHS, EN 61000-4-2 (ESD), EN 61000-4-3 (RS), EN 61000-4-4 (EFT), EN 61000-4-5 (Surge), EN 61000-4-6 (CS), EN 61000-4-8, EN 61000-4-11	
Vibration	IEC 60068-2-6, IP40 Protection Test	

Outline Dimensions (mm)



ETR6 Outline Dimensions

Model & Ordering Code

ETR6 - X - X - X - X - X

- POE Options
- (Blank) : With 1x Non-PoE Port
 - 2 : With 2x Non-PoE Port
 - 4 : With 4x Non-PoE Port
 - POE1 : With 1x PoE Port
 - POE2 : With 2x PoE Port
 - POE4 : With 4x PoE Port

- Single mode or Multimode Options
- SM : Single mode
 - MM : Multi-mode

- Connector Options
- ST : ST connector
 - SC : SC connector
 - FC : FC connector

- Single Mode Options
- 20 : 20km
 - 40 : 40km
 - 60 : 60km
 - 80 : 80km

- Mounting Options
- DR : Din rail
 - BP : Base plate
 - CM : Card Module