Gigabit Network Fiber Optic Transceiver

UT-2602G-220

2-Port Gigabit Network Fiber Optic Transceiver

- Adopt high quality optoelectronic integrated modules to provide good optical and electrical characteristics, ensure reliable data transmission and long lifecycle
- Supports full-duplex and half-duplex, auto negotiation
- Auto-10/100/1000Mbps
- Fully automatic recognition of network interface
- Plug and play for easy access
- Operating temperature: -40 ~ 85°C
- Voltage input: 110/220VAC (88~264VAC)/50-60Hz or 110/220VDC (88~264VDC) This device supports dual power redundant input

OVERVIEW

UT-2602G-220 series is a Gigabit network fiber optic transceiver, providing 2 10/100/1000Base-T Ethernet ports and 1 1000Base- X optical port; it is used for Ethernet port and optical cable data communication, it is suitable for the scenarios of intelligent community or FTTD(fiber to the desk).The series of products support -40 ~ 85°C operating temperature and good EMC performance to ensure normal operation in harsh environments, the series will greatly extend the distance of network transmission, can easily achieve the interconnection between the main board server, repeater, hub, terminal and terminal, for video surveillance, finance, education and other industries to form a network to provide cost-effective, safe and reliable solutions.

SPECIFICATION

Protocol Standards

IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.3ab, IEEE 802.3x

Interfaces

Fiber interfaces: 1*1000Base-X（SC/FC/ST/SFP）

RJ45 interface: 2*10/100/1000Base-T, auto MDI/MDI-X

Transmission distance

Cat.5e: 100m

Fiber Optic Module

Single-mode: 1310nm 20/40/60Km

1550nm 80/100/120Km

Multimode: 1310nm 2Km

Switching Performance

Forwarding Rate: 1488095pps

Transmission mode: Store and Forward

MAC address size: 1K

Cache size: 1Mb

Backplane bandwidth: 12G

Max. frame length: 10K

Power Requirement

Voltage input: 110/220VAC(88-264VAC)50-60Hz or110/220VDC (88-264VDC) This device supports dual power redundant input

Power consumption: 5W

Terminal block: One pluggable 3-pin terminal block

Mechanical Characteristics

IP protection level: IP40

Installation: DIN-Rail/Wall Mounted

LED indicator light

PWR, FDX, RJ network

Index parameter		1000Base-X			
		Multi-mode	Singal-mode		
Dual fiber transmitting and receiving wavelength		1310	1310	1310	1550
Transmission signal fiber(T type)	Transmission wavelength nm	1310	1310	1310	1490
	Receive wavelength nm	1550	1550	1550	1550
Receive signal fiber(R type)	Transmission wavelength nm	1550	1550	1550	1550
	Receive wavelength nm	1310	1310	1310	1490
Transmission distance Km		2	20	40	80
Transmit power dBm		-6~-1	-9~-3	-2~3	-2~3
Receive sensitivity dBm(≤)		-21	-23	-23	-24
Optical saturation dBm		0	-3	-3	-3
Optical loss dBm /Km		0.5	0.5	0.3	0.25
Electrical port data transmission		10/100/1000Mbps			

For example: UT-2602GRSM-SC-40-220, "R"is receiving single fiber, "SM" is single mode, "SC" fiber interface type is SC head, "40" transmission km for 40km

Mechanical Dimension

Dimension (W x H x D): 100mm x 85mm x 47.2mm

Weight: 560g

Packaging dimension: 190mm x 182mm x 65mm

Operating Environment

Operating temperature: -40 ~ 85°C

Storage temperature: -40 ~ 85°C

Relative humidity: 0 ~ 95%

Industrial Standards

EMI:

FCC Part 15 Subpart B class A, EN55022 class A

EMS:

IEC(EN)61000-4-2(ESD)

IEC(EN)61000-4-3(RS)

IEC(EN)61000-4-4(EFT)

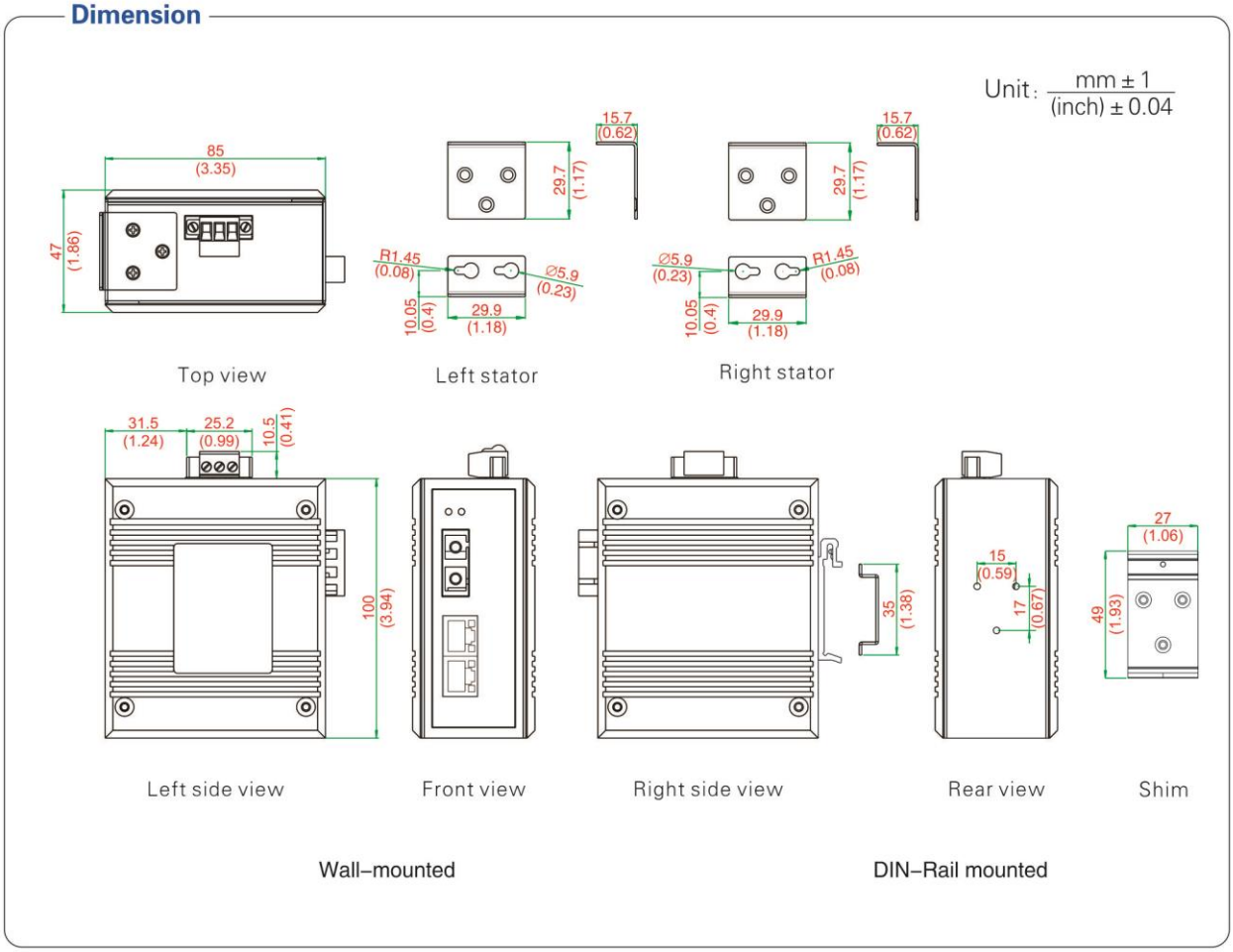
IEC(EN)61000-4-5(Surge)

IEC(EN)61000-4-6(CS)

IEC(EN)61000-4-8

IEC 60068-2-27(Shock)

Dimension



ORDERING

Model	Interface		Optical port description
	10/100/1000Base-T	1000Base-X	
UT-2602GSM-SC-220	2	1	Single mode dual fiber SC
UT-2602GSM-ST-220	2	1	Single mode dual fiber ST
UT-2602GSM-FC-220	2	1	Single mode dual fiber FC
UT-2602GMM-SC-220	2	1	Multi-mode dual fiber SC
UT-2602GMM-ST-220	2	1	Multi-mode dual fiber ST
UT-2602GMM-FC-220	2	1	Multi-mode dual fiber FC
UT-2602GP-220	2	1	SFP slot