



A2-911S20-D Fiber Transceiver

Overview

STC-911S20 10/100/1000Mbps Adaptive Gigabit Ethernet fiber converter using switching technology for media conversion, which meets the standards of IEEE802.3、IEEE802.3u、IEEE802.3z、IEEE802.3ab, It can conduct mutual conversion between 10Base-T/100Base-TX/1000Base-T twisted pair electrical signal and 1000Base-SX/LX optical signals.

It extends the transmission distance of a network from 100m over copper wires to 120Km. This fiber converter supports transmission in dual-fiber multi-mode、 dual-fiber single-mode and single-fiber single-mode fibers.

Feature

- Supporting mutual signal conversion between 10Base-T/100Base-TX/1000Base-T and 1000Base-SX/LX;
- Supporting full-duplex and half-duplex transmission modes and capable of automatic negotiation
- Supporting automatic cross of twisted pair ports, for the convenience of system debugging and installation;
- Supporting the transmission of extra-long packets over VLAN;
- Supporting Quality of Service (QoS) and ensuring transmission of VoIP packets;
- Supporting multiple types of fiber ports such as dual-fiber multi-mode、 dual-fiber single-mode and single-fiber single-mode, to satisfy the extended requirements of users.
- Support ZTE ZTE SFP-GE-S10K optical module docking



Application

10/100/1000Mbps Gigabit Optical Ethernet network with long-distance transmission

Technical Specification

Parameters	Specifications
Access mode	10/100/1000Mbps Gigabit Ethernet
Standard	IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX/FX Fast Ethernet, IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-SX/LX Gigabit Ethernet, IEEE802.1qVLAN, IEEE802.1p QoS, IEEE802.1d Spanning Tree
Wavelength	1310nm
Transmission distance	Dual-fiber single-mode: 10/20KM(120Km) Category-5 twisted pairs: 100m
Port	One RJ45 port: Connected to STP/UTP category-5 twisted pairs One fiber port: 1000M LC
Conversion mode	Medium conversion
Delay	<10 μ s
Bit error rate	<1/1000000000
MTBF	100,000 hours
Power	DC12V
Power consumption	2.5W
Operating temperature	-20~70°C
Operating humidity	5%~90%
Storage Temperature	-40°C to +70°C
Storage humidity	5%~90% (non-condensing)
Dimensions	93mm(L)*70mm(W)*25mm(H)/ long*wide*high