off Which means that the fiber optic connector is operating in half-duplex mode. Flashing green indicates for collision.

FDX/HDX Switch

FDX: The UTP port operate in full-duplex mode; **HDX:** The UTP port operate in haf-duplex mode;

Notice: You must reset the converter when you achieve the configuration.

Installation Guide

TR-965DA's SC fiber connector works at 1550nm on transferring data and at 1310nm on receiving data in one single-mode fiber.TR-965DB's SC fiber connector, inversely, works at 1310nm on transferring data and at 1550nm on receiving data in a fiber. So the TR-965DA and the TR-965DB must use as partnership together.

Configuration

In order to achieve the aim of effectively expanding a Fast Ethernet network, You can use the converter for the example :

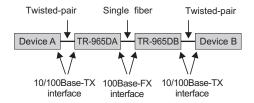
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Position two converters back to back between the following end devices.



Installation Procedure

Converter to 10/100Base-TX Device (hub or switch)
 Connection

Make sure that the length of twisted pair cable (Category-5) between 10/100Base-TX device and converter is no longer than 100 meters.

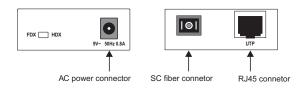
Connect one end of twisted pair cable to RJ45 jack on the converter and the other end of the cable to the RJ45 jack on the 10/100Base-TX device.

 Converter to Converter or 100Base-FX Device Connection
 Connect one (SC) end of a fiber cable to the SC connector on the converter and the other end of the cable to the SC

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Introduction

The TR-965DA/TR-965DB are 10/100Mbps Fast Ethernet converter. The converter mediates between a 10/100Base-TX segment and a 100Base-FX segment.It is primarily designed for large, more high speed/bandwidth demanding workgroups that require expansion of the Fast Ethernet network.



Features

Complies with IEEE802.3u 10Base-T, 100Base-TX and 100Base-FX standard.

Provide one SC fiber connector and one UTP connector.

The SC fiber connector can transfer and receive data on one single-mode fiber.

Provide switch configuration of half/full duplex transfer mode for FX port.

Extend fiber distance up to 20-60km for single-mode fiber.

2

connector on the other converter or 100Base-FX device.

3. Turn on the power

Appendix Specifications

Standard: IEEE 802.3/IEEE 802.3u

Connector: 1 SCfiber optic;1 RJ45jack

Max. Distance: Twisted Pair(Cat5):100m

Single-mode Fiber Optic: 20km

Power: external power adapter supply, AC 9V~ 0.8A

Temperature: Operation: 0°C~40°C (32°F~104°F)

Storage: -40°C~70°C (-40°F~158°F)

Humidity: 10%-90% (non-condensing)

 $Dimensions (\texttt{LxWxH}): \ 4.84x2.64x0.94 \, in. (123 mmx67 mmx24 \, mm)$

/

Easy-to-view LED indicators provide status to monitor network activity easily.

External power adapter supply.

Network Cable Supported

The connectors and network cables supported by the converter are listed in the following:

UTP: Cat 5 Twisted-Pair

Fiber SC: 1300nm 62.5/125 Single-mode Fiber

Туре	Connetor	Transmission Distance	Transmission Media
TR-965DA-20	RJ45SC	20km	Single-mode Fiber,Cat-5
TR-965DA-40	RJ45-SC	40km	Single-mode Fiber,Cat-5
TR-965DA-60	RJ45SC	60km	Single-mode Fiber,Cat-5
TR-965DB-20	RJ45-SC	20km	Single-mode Fiber,Cat-5
TR-965DB-40	RJ45SC	40km	Single-mode Fiber,Cat-5
TR-965DB-60	RJ45-SC	60km	Single-mode Fiber,Cat-5

Package Contents

Before start using the products, make sure that what you have is what you ordered.

The Converter includes:

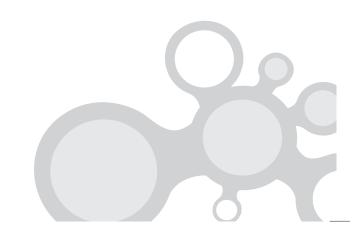
One Converter



User's Guide

TR-965DA TR-965DB

10/100Mbps Fast Ethernet Converter



One AC adapter

Rev 1.0 71030498

Appearance Indication

This User's Guide

LED Indicators

This converter has LED indicators which can provide a real-time report. When you take a look at these indicators, you will know what's happening on your network.

Power(green) Lights when the adapter is properly plugged in.

TX_SPD(green) Lights when the UTP ports is connected to 100Base-Tx device.

TX_LINK/ACT(green) Steady green indicates that a valid link exists. Flashing green indicates that the converter is receiving data or transmitting data from the RJ45 connector.

FX_LINK/ACT(green) Steady green indicates that a valid link exists. Flashing green indicates that the converter is receiving data or transmitting data from the Fiber Optic

FX_FDX/COL(green) Steady green indicates that the fiber optic connector is operating in full-duplex mode. The light is

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