RC-1001A

RC-1001A:

Web Smart 10/100Base-TX to SFP FE Media Converter

Key Features

- Supports Web UI for management
- Supports OAM for remote management
  - ---TS-1000
  - ---IEEE802.3ah
- Supports Ingress/Egress Rate Limitation
- Supports LFP Function
- Supports per Port Counters
- Supports IEEE802.1Q VLAN
- Supports Q-in-Q (Double-Tag) VLAN
- Supports one 10/100Base-TX Fast Ethernet UTP port and one 100Base-FX Fast Ethernet Fiber port
- Supports 802.3x flow control for full-duplex ports and backpressure for half-duplex ports
- Supports comprehensive types of fiber with different distances and connections, including SFP LC/Bidi
- Supports auto mode on the TP port
- Supports independent LFP function
- Supports Jumbo Frame maximum packet size up to 9KB
- RoHS Compliance

Overview

RC-1001A is designed to make conversion between 10/100Base-TX and 100Base-FX (SFP) Fiber Ethernet. With web-based management, the network administrator can logon the switch to monitor, and configure. In addition, the converter implements the TS-1000, IEEE802.3ah, Rate Limit, VLAN. It is suitable for carrier fiber conversion application. The overall network flexibility is enhanced, and the network efficiency is also improved to accommodate and deliver high bandwidth applications.

Technical Specifications

- **Standards**
  - ---IEEE802.3 10Base-T,
  - ---IEEE802.3u 100ase-TX,
  - ---100Base-FX
  - ---IEEE802.3x full-duplex flow control
- **Cable**
  - ---UTP: Cat. 5 cable and up to 100m
  - ---Fiber: (SFP)
  - ---100Base-FX(MM): 50/125, 62.5/125, or 100/140µm multi-mode
  - ---100Base-SX(SM): 8.3/125, 8.7/125, 9/125 or 10/125µm single-mode
- **Cable Connection Parameter**
  - ---TP Cable Limitations: Cat. 5 and up to 100m
  - ---Fiber Cable Limitations:

SC/ST/LC Converter Models	
Multi-mode Half-duplex	412m
Multi-mode Full-duplex	2Km
Single-mode Half-duplex	412m
Single-mode Full-duplex	20/40/60/80/100Km

- **Data Transfer Rate:** 200Mbps/full-duplex
- **Network Interface**

TP Port	10/100Base-TX Auto-Negotiation Auto-MDIX Flow control for Full-Duplex Backpressure for Half-Duplex
Fiber Port	100Base-FX (SFP) Link partner must be forced 100Mbps (100HDX/100FDX)

- **LED Indicator**

LED	Color	Function
POWER	Green	Lit when +5V power is coming up
FX LINK/ACT	Green	Lit when fiber connection is good Blinks when any traffic is present
TP LINK/ACT	Green	Lit when TP connection is good Blinks when any traffic is present
TP 10/100	Amber	Amber: Lit when 100Base-TX is active Off: When 10Base-T is active

Media Converter Solutions *(vertical sidebar text)*

- **Power**
  Requirement: 1A@+5VDC above
  Consumption: 1.5Watts
- **Ambient Temperature:** 0 ~ 50°C
- **Humidity:** 5% ~ 90%
- **Dimensions:** 26.2(H) x 70.3(W) x 94(D) mm
- **Certification:** Comply with FCC Part 15 Class A & CE Mark Approval

Prdering Information

Carton Dimensions (mm)	pcs/Carton	N.W (KG)	G.W (KG)
602x447x348	40	25	26

Ordering Information

RC-1001ALC	Web Smart 10/100Base-TX to SFP FE Media Converter, LC Multi-Mode
RC-1001ALC.S20	Web Smart 10/100Base-TX to SFP FE Media Converter, LC Single-Mode 20Km

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