



RC-1201A:

Web Smart 10/100/1000Base-T to SFP GbE Media Converter

Key Features

- Supports Web UI for management
- Supports OAM for remote management
---TS-1000
---IEEE802.3ah
- Supports Ingress/Egress Rate Limitation
- Supports per Port Counters
- Supports IEEE802.1Q VLAN
- Supports Q-in-Q (Double-Tag) VLAN
- Supports one 10/100/1000Base-T Gigabit Ethernet UTP port and one 1000Base-SX / LX Gigabit 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/Bidi/LC and so on
- Supports auto mode on the TP port
- Supports independent LFP function
- Supports Jumbo Frame maximum packet size up to 9KB
- RoHS Compliance

Overview

RC-1201A is designed to make conversion between 10/100/1000Base-TX and 1000 Base-SX/LX (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 100Base-TX,
- IEEE802.3z/ab 1000Base-T,
- IEEE802.3x full-duplex flow control,
- 1000Base-SX/LX

Cable

UTP: Cat. 5 cable and up to 100m

Fiber:

---1000SX: 50/125, 62.5/125, or 100/140µm multi-mode

---1000LX: 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:

	Multi-Mode Fiber 62.5/125µm		Multi-Mode Fiber 50/125µm	
	Bandwidth MHz-Km	Distance	Bandwidth MHz-Km	Distance
1000SX 850nm	160	220m	400	500m
	200	275m	500	550m
1000LX 1310nm/ 1550nm	Single-Mode Fiber 9/125µm Single-Mode transceiver 1310nm: 10/30Km Single-Mode transceiver 1550nm: 50Km			

Data Transfer Rate: 2000Mbps/full-duplex

Network Interface:

TP Port	10/100Base-TX Auto-Negotiation Auto-MDIX Flow control for Full-Duplex Backpressure for Half-Duplex
TP Port	1000Base-T Auto-Negotiation mode Auto-MDIX only for Auto-Negotiation Flow control for Full-Duplex only
Fiber Port	1000Base-SX/LX (SFP) with NWay flow control Link partner must be 1000FDX with NWay flow control

• 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	Green	Green: Lit when 1000Base-T is active Amber: Lit when 100Base-TX is active
10/100/1000	Amber	Off: When 10Base-T is active

• Power

---Requirement: 1A@+5VDC above

---Consumption: 2.0Watts

• 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-1201ALC	Web Smart 10/100/1000Base-T to SFP GbE Media Converter, LC Multi-Mode, 850nm
RC-1201ALC.S10	Web Smart 10/100/1000Base-T to SFP GbE Media Converter, LC Single-Mode 10km 1310nm
RC-1201ALC.S30	Web Smart 10/100/1000Base-T to SFP GbE Media Converter, LC Single-Mode 30km 1310nm
RC-1201ALC.S50	Web Smart 10/100/1000Base-T to SFP GbE Media Converter, LC Single-Mode 50km 1550nm
RC-1201ABL3.S10	Web Smart 10/100/1000Base-T to SFP GbE Media Converter, Bidi LC Single-Mode 10km, 1310nm
RC-1201ABL5.S10	Web Smart 10/100/1000Base-T to SFP GbE Media Converter, Bidi LC Single-Mode 10km, 1550nm
RC-1201ABL3.S20	Web Smart 10/100/1000Base-T to SFP GbE Media Converter, Bidi LC Single-Mode 20km, 1310nm
RC-1201ABL5.S20	Web Smart 10/100/1000Base-T to SFP GbE Media Converter, Bidi LC Single-Mode 20km, 1550nm

Note: One SFP transceiver is included.

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