Media converter RCI502W-GE-20-A/B

The main features

- Input voltage: DC5V
- Operating Temperature: -25℃ to +70℃
- Cooling mode: no fan design
- Forwarding mode: store and forward

Product description

This device adopts store and forward, no fan, low power consumption design, with the advantages of convenient use, small size and simple maintenance. Product design -25℃ ~ +70℃ wide range of operating temperature, stable and reliable performance, can be widely used in a variety of broadband data transmission fields.

Product size

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Specification

Provider Mode Ports	
Power interface	DC
LED (LED Indicators)	PWR/ACT/FDX/Link Speed
Optical Port	SC/UPC, 1000Base-FX, WDM
Network Ports	RJ45 10/100/1000Base-T
Optical wavelength	Tx1310nm/Rx1550nm - A Tx1550nm/Rx1310nm - B
Transmission distance	20km
Cable type and distance	
Twisted-pair	0-100m（CAT5e,CAT6）
Single-mode fiber	0-20KM
Multimode optical fiber	Not supported
Electrical Specifications	
Input voltage	DC5V
Total Power consumption	Total power < 3W
Layer 2 Switching	
Switching Capacity	2G
Packet Forwarding Rate	4,4Mpps
MAC Address Table	1K
Buffer	512Kb
Forwarding Delay	<4us
MDX/MIDX	Support
Environment	
Operating temperature	-25℃~+70℃
Storage temperature	-25℃~+70℃
Relative humidity	5%~95%
MTBF	100,000
Mechanical Dimensions	
Product size	93x71x27mm
Weight	0.26KG/pcs

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Optional – DIP Switch

As shown in the figure above, the 4-bit DIP switch at the back of the transceiver is 1234 in sequence, with the switch down ON and the switch up ON OFF

The default functions are GIGABit adaptive, LFP, QOS, and broadcast storm suppression.

1. **First switch: LFP**

The default state is OFF. Optical/electrical/interface mutual control and fault alarm transfer are enabled

If you click ON, the LFP function is disabled

2. **Second switch: 10M Long Range(250M)**

The default state is ON, that is, the electrical port rate is in adaptive mode

Hit the OFF position, namely the mandatory 10M mode, the main purpose is to cooperate with the video monitoring, to reach the transmission distance of 250 meters of network cable

Purpose; This 10M mode is more suitable for video transmission applications when used together with the third bit QOS switch.

3. **Switch Third bit: QOS**

QOS priority

If this function is enabled, QOS ensures that video packets are forwarded preferentially and has a high weight

This means that packets passing through this transceiver, if there are video packets, will ensure a relatively high rate of priority forwarding, forwarding

Finished, will forward other packets;

4. **Switch fourth: BSF**

Broadcast storm suppression

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Broadcast storm refers to a situation in which a common Layer 2 switch is blocked by data broadcast when a network cable loopback occurs on a network port.

If the broadcast storm suppression function is enabled, even though the network cable loopback is enabled, other switches do not have the loopback function or are not enabled

In the case of ring network protocol, the broadcast storm suppression function can prevent broadcast storms

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