Datasheet

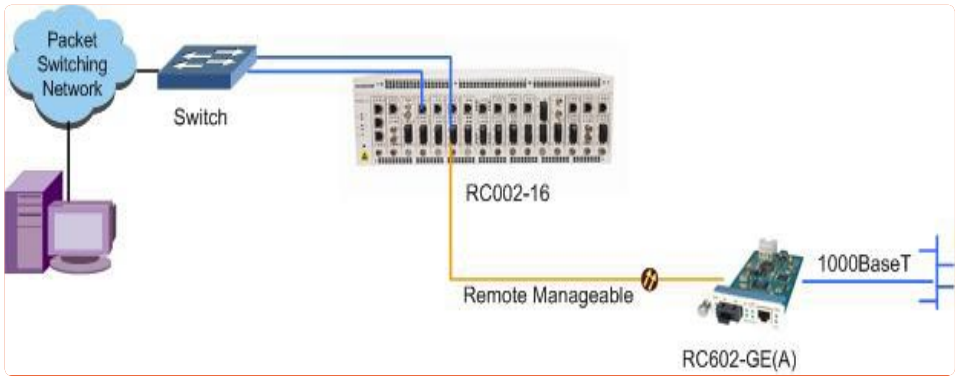
RC602-GE(Gigabit Ethernet) Remote Manageable Media Converter

Raisecom RC series media converters are the next generation copper to fiber media converters which bridging the gap between legacy copper infrastructures and fiber growth. Raisecom's Fast Ethernet media converters offer an economical path towards extending the distance of an existing network, extending the life of non-fiber based equipment, or extending the distance between two devices. Raisecom offers a complete Gigabit connectivity products line with supporting copper, multimode and single mode fiber, dual strand and single strand transmission. RC602-GE are carrier class fiber optic extension equipments with industry leading advanced features such as remote management, Ethernet port auto negotiation, MDI/MDIX auto sensing, Fault Pass Through and etc. RC602-GE is a typical Gigabit Ethernet media converter supporting both local and remote management with the maximum transmission distance up to 100km. Remote RC602-GE can be wholly controlled and configured with NView iEMS network management from central office.

RC602 -GE (Gigabit Ethernet)Media Converter

Feature

Construction	RC602-GE can work at either Master mode or Slave mode. The master shall work at central site, while the slave at remote site. Both central/remote modules are supported in Raisecom's RC001-1 and RC002-16 chassis. (RC602-GE can be remotely SNMP managed through an SNMP agent card inserted in RC002-16 chassi at central site.)
Fiber link option	single mode/multi mode
Transmission distance	dual strand fiber: up to 100km single strand fiber: up to 25km
Auto Negotiation	Electrical port of RC602-GE (A) series copper to fiber media converter has the ability of auto-negotiation and works in 1000M full-duplex mode (donot work in 1000M half-duplex mode)
MDI/MDIX auto sensing	Automatically detects and configures the copper port on the converter to the correct MDI or MDI-X configuration. This feature eliminates an entire category of troubleshooting
Fault-Pass-Through	Fault-Pass-Through is a troubleshooting feature that allows the media converter to monitor the optical link by shutdown the copper port if there is loss of signal on optical link, RC602-GE provides optical port RX-to-TX fault-pass-through, Optical-to-electrical fault-pass-through and Electrical-to-optical fault-pass-through
Remote management	Configure and monitor the remote end unit through local module, this feature greatly decreases the truck roll and logistic costs.



Specification

Fixed Port	1*Optical port 1*Copper port
Indicators:	Power Supply RMD for remote unit RX for copper port TX for copper port ACT for optical port LNK for optical port LINK for copper port
Speed	1000M for optical port 1000M for copper port
Dimension	Modular: 76(W)*170(D)*25(H)mm
Power supply	AC: 90~264V, 47~63Hz DC: 36~75V
Power consumption	Typical value: 4W
Working ambience	Temp: 0~45 centigrade RH: 5~90% non-condensing
Storage ambience	Temp: -40~80 centigrade RH: 5~90% non-condensing
Safety Compliance	CE, UL and NEBS

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Ordering Information

Part Number	Optical Connector	Wavelenght (nm)	RX sensitivity (dBm)	Tx Power (dBm)	Typical distance (km)	Attenuation (dB/Km)
RC602-GE(A)-M	SC	850	<-15	-10- -3	0-0.55	3
RC602-GE(A)-S1	SC	1310	<-23	-10- -3	0-25	0.5
RC602-GE(A)-S2	SC	1550	<-20	-3- +2(DFB)	10-60	0.25
RC602-GE(A)-S3	SC	1550	<-30	-3- +2(DFB)	25-100	0.25
RC602-GE(A)-SS13	SC	1310	<-20	-10- -3	0-20	0.5
RC602-GE(A)-SS15	SC	1550	<-20	-10- -3	0-20	0.5

Compliance

Standards & protocols	IEEE802.3x full duplex IEEE802.3z Gigabit Ethernet

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