RCMS2912-4/8E1T1GE
Modular Multi-Service FiberMux

RCMS2912-4(8)E1T1GE is an ideal transmission device of optical fiber for point-to-point networks, medium-sized and small capacity networks, such as wireless communication base stations, private communication networks and switch networks. It is used to transmit E1/T1 and Gigabit Ethernet service in 1+1 protection optic cable up to 120 kilometers. The transmission capacity of RCMS2912-4(8)E1T1GE is eight E1/T1 channels plus 1000Mbps. RCMS2912-4(8)E1T1GE has local/remote alarm indicators on front panel and local/remote loop-back function benefiting fault location. Additionally its advanced features such as redundant optical interface and remote device power-off alarm provide carriers a flexible and reliable transmission solution of multiple E1/T1 and Gigabit Ethernet. Modular device RCMS2912-4(8)E1T1GE can be inserted in RC002-16 chassis or RC001-2M to realize SNMP management through GUI of Raisecom self-designed software NView NNM for monitor and configuration. The classical topology of RCMS2912-4(8)E1T1GE is point-to-point application with itself. Both local and remote side device can be managed through network management software NView NNM.

Feature

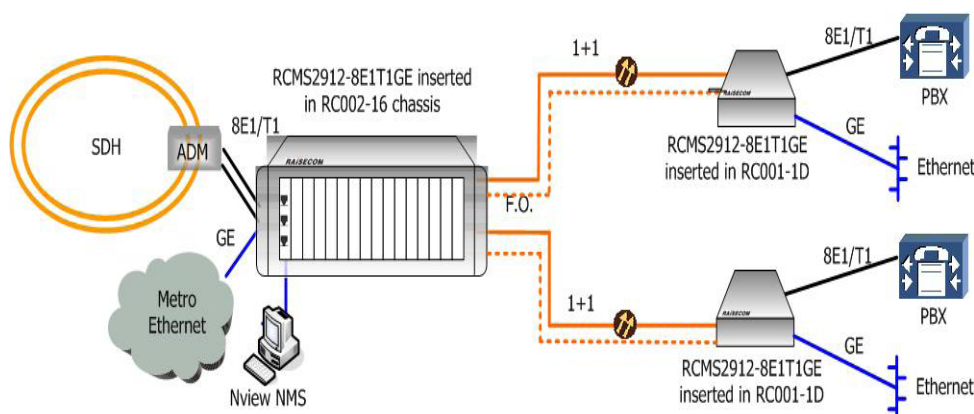|	
Main Feature	4/8 E1/T1 ports,1 GE port,2 SFP fiber interfaces Support 1+1 optical port protection E1 or T1 can be choiced by DIP switch or network management systerm Dying Gasp function Local and remote alarm indicator Local and remote loop-back function Flow control fuction
Optical Port	Code: Scrambled NRZ 150Mbps or 1.25Gbps, SFP connector module
GE Port	Port: RJ45 100/1000M auto-negotiation MDI/MDIX auto-negotiation Frame length: no limitation Complied with IEEE802.3 standard
E1 Port	Date rate: 2048Kbps+/-50ppm Code: HDB3 Port type: 120ohm balanced Complied with ITU-T G.703 and ITU-T G.823
T1 Port	Date rate: 1544Kbps+/-32ppm Code: B8ZS or AMI Port type: 100ohm balanced Complied with GR-499-CORE and ITU-T G.824

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Typical Application

Specification

Fixed port	2 optical ports 4/8 E1/T1 ports 1 Gigabit Ethernet port
E1/T1 Port	4 balanced E1/T1 interface (1 or 2 E1/T1 ports in 1 RJ45/RJ48 interface)
Indicators	Power Supply Remote Power off E1/T1 Loss & others Optical port stauts Ethernet port status
Dimension	50mm×178mm×91mm (HxDxW)
Weight	0.23Kg
Working ambience	Temperature: 0 ~45 degree Centigrade Humidity: ≤90%
Power Consumption	<8W

Compliance

Standards & protocols	IEEE802.3,IEEE802.3x,IEEE802.3u; ITU-T G.703,ITU-T G.823,ITU-T G.824; ANSI T1.102; GR-499-CORE.

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Ordering Information

Part Number	Description
RCMS2912-4E1T1GE	Four E1/T1 multi-service FiberMux, module in 3U chassis takes 2 slots, 4 E1/T1, 4 balanced RJ45/RJ48 connectors, 1 100/1000M Gigabit Ethernet port, 1+1 SFP optical interface
RCMS2912-8E1T1GE	Eight E1/T1 multi-server FiberMux, module in 3U chassis takes 2 slots, 8 E1/T1, 4 balanced RJ45/RJ48 connectors, 1 RJ45/RJ48 for 2 E1/T1, 1 100/1000M Gigabit Ethernet port, 1+1 SFP optical interface

SFP Module Specification

Part Number	Optical Connector	Wavelength (nm)	RX sensitivity (dBm)	Tx Power (dBm)	Typical distance (km)
USFP-GB/M	LC	850	<-17	-9.5 ~ - 3	0.55
USFP-GB/S1	LC	1310	<-20	-10 ~ - 3	15
USFP-GB/S2	LC	1550	<-20	- 3 ~ 2	40
USFP-GB/S3	LC	1550	<-30	- 3 ~ 2	80
USFP-GB/SS13	LC	1310	<-20	-10 ~ - 3	15
USFP-GB/SS15	LC	1550	<-20	-10 ~ - 3	15
USFP-GB/SS24	LC	1490	<-20	- 3 ~ 2	40
USFP-GB/SS25	LC	1550	<-20	- 3 ~ 2	40