

RCMS2811 Multiservice PDH Fiber Multiplexer

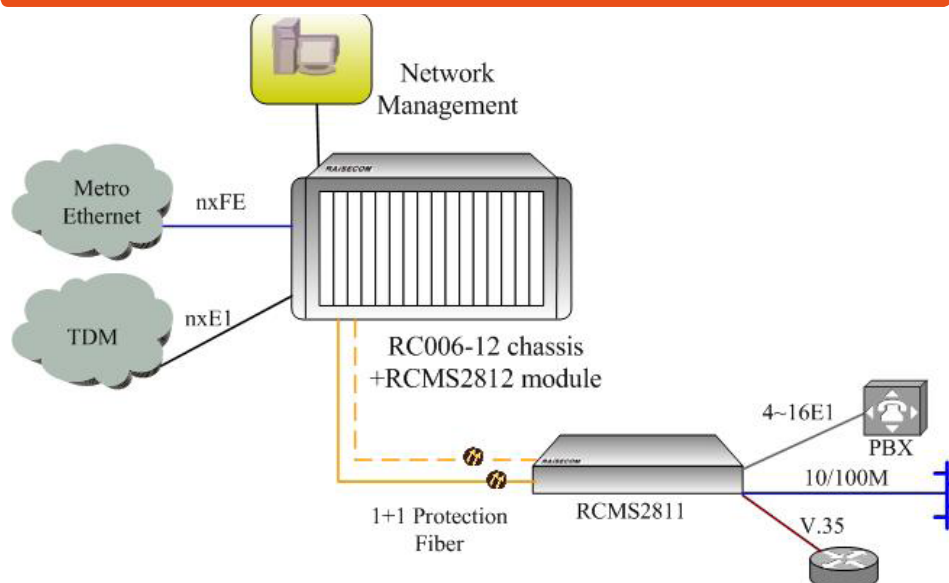
RCMS2811 is an ideal transmission device of optical fiber for point-to-point networks, medium-sized and small capacity networks, such as wireless communication base stations, private communication networks and switch networks. It can be applied to either public networks or various private networks. The transmission capacity of RCMS2811 is optional and the maximum capacity is 16 E1 channels and one Fast Ethernet port. RCMS2811 can be remotely managed and has local/remote alarm indicators

on front panel. Local/remote loop-back function benefits fault location. Additionally its advanced features such as redundant optical interface, redundant power supply and remote device power-off alarm provide carriers a flexible and reliable transmission solution of multiple E1 and Ethernet. RCMS2811 also can work with RCMS2812 module which inserted in managed 16-slot chassis RC006-12 and 1-slot chassis RC006-1M to realize SNMP management.

Feature

Main Feature	Redundant fiber interface Redundant Power Supply 1+1 Protection ALS function Dying Gasp function
Optical Rate	150Mbps, SC or FC connector
Ethernet Port	10/100 auto-negotiation; MDI/MDIX auto-negotiation.
E1 Bit Rate	2048Kbps±50ppm
V.35 Rate	E1 fractional mode V.35 rate is $N \times 64\text{Kbps}$ $N=1\sim 31$; E1 unframed mode V.35 rate is 2048Kbps.
Power Supply	DC: -48V Voltage: -36V ~ -72V; DC: +24V Voltage: +18V ~ +36V; AC: 220V Voltage: 100V~260V.
Concatenation	15 devices of this series
Expansion Card	1 expansion slot for V.35 card
Management	SNMP GUI management

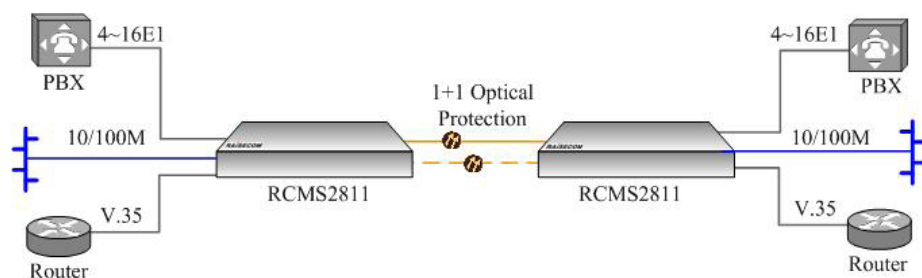
Typical Application 1



Specification

Management port	1 PC agent port (RJ45)
Fixed port	2 optical port & 4/8/16 E1 ports & 1 Fast Ethernet port
Optical source	laser diode
Extension port	1 V.35 port
V.35 Port	$N \times 64\text{Kbps}$ $N \leq 32$; HDB26 Female; Complied with ITU standard.
E1 Port	75 ohm unbalanced or 120 ohm balanced
Indicators	Power Supply Remote Power off E1 Loss & others Optical port status Ethernet port status
Dimension	440mm (W)×43.6mm×(H)×235mm(D);
Weight	3Kg (including sub card).
Working ambience	Temperature: 0 ~45 Humidity: ≤90%
Power Consumption	<10W
Concatenation	Speed 19200bps; RJ45 Interface.

Typical Application 2



Compliance

Standards & protocols	IEEE802.3x full duplex on 10BaseT, and 100BaseT ports; RS232 standard; ITU-T G.703; ITU-T G.823; ITU-T G.742 ITU-T G.751;
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Ordering Information

Part Number	Description
RCMS2811-120FE-X-Y	One 10/100Mbps auto-negotiation Ethernet port(RJ45), 4 E1 interfaces, both 120Ωbalanced (RJ45) and 75Ωunbalanced (BNC)
RCMS2811-240FE-X-Y	One 10/100Mbps auto-negotiation Ethernet port(RJ45), 8 E1 interfaces, 75Ωunbalanced (DB37)
RCMS2811-240FE-BL-X-Y	One 10/100Mbps auto-negotiation Ethernet port(RJ45), 8 E1 interfaces, 120Ωbalanced (RJ45)
RCMS2811-480FE-X-Y	One 10/100Mbps auto-negotiation Ethernet port(RJ45), 16 E1 interfaces, 75Ωunbalanced (DB37)
RCMS2811-480FE-BL-X-Y	One 10/100Mbps auto-negotiation Ethernet port(RJ45), 16 E1 interfaces, 120Ωbalanced (RJ45)
SUBM-V35	Expansion Card with a V.35 interface
CBL-V35-HDB26M/M34F-2m	V.35 cable convert HDB26 Male interface to M34 Female interface, the default length is 2m

x - Fiber Interface Specification

	Optical Port	Wavelength (nm)	Rx sensitivity (dBm)	Tx Power (dBm)	Typical distance (km)	Attenuation (dB/Km)
M	A,B	1310/850*	<-29	-18 - -14	2	3
S1	A,B	1310	<-34	-15 - -8	25	0.5
S2	A,B	1310	<-34	-5 - 0	60	0.5
S3	A,B	1550	<-36	-5 - 0(DFB)	120	0.25
SS1	A	1310	<-30	-12 - -3	25	0.5
	B	1550	<-30	-5 - 0	25	0.5
SS2	A	1310	<-32	-12 - -3	50	0.5
	B	1550	<-32	-5 - 0	50	0.5
SS3	A	1490	<-32	-12 - -3	100	0.5
	B	1550	<-32	-5 - 0	100	0.5

* 850nm multi mode optical connector is customized
Optical Port A,B means the two optical port on RCMS2811

Y - Power Supply Specification

AC	Dual 220V/AC redundant power supply
DC	Dual -48V/DC redundant power supply
ACDC	220V/AC and -48V/DC power supply simultaneously