



**RC002-16 (REV.E)
3U 16-slot chassis
User manual**

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Content

1.	Cautions.....	3
2.	Abstract.....	5
3.	Ordering information	5
4.	Specification.....	5
5.	Mechanical and indicators instruction	6
6.	Installation and test.....	6
7.	Q&A	7
8.	Appendix A: How to make CONSOLE cable.....	7

1. Cautions

Please read the following notices carefully before installing and using the device, Raisecom does not respond to any loss that caused by violating safety cautions.



Safety caution: to assure your benefits and make sure that your equipment works stably and safely, please read this manual carefully and avoid unnecessary loss. If there is any problem when you use the device please contact professional for help or contact us directly.



Electric shock caution: to guarantee the safety of operators, please do not touch the equipment optionally. The plug/unplug of non-electrification device must be done when the equipment is powered off.



Laser cautions: the equipment has laser module which belongs to class 1 laser products. It will not make any danger but avoid exposing your eyes in the laser beam. Do not look into the laser directly or check the laser beam with optics instrument directly.



Static cautions: there are integrated circuits in the equipment, so the installing, maintaining and plugging/pulling must be operated by technical staff following in steps of anti static.

Grounding cautions: there must be grounding protection for the sake



of safety. If the grounding of power supply system is not perfect, please connect the grounding bolt of the equipment with safety ground through grounding cable, and the diameter of the grounding cable must be AWG16 (1.5mm²).

2. Abstract

RC002-16(REV.E) is a standard communication chassis of 3U height, 19" width. It can hold 15 service modules + 1 management module and support hot-swap for module and power supply. Ventilation holes and fans can guarantee the operating system avoid over heating. International certification CE and UL make it to meet state-of-art quality.

3. Ordering information

Part number	Description	Dimension (mm)	Power supply
RC002-16AC/S	3U height, 16-slot chassis with one power supply	442*130.5*350	115VAC-230VAC 1.5A 50/60Hz
RC002-16DC/S	3U height, 16-slot chassis with one power supply	442*130.5*350	36-72VDC — — — , 3.5A
RC002-16AC/D	3U height, 16-slot chassis with redundant power supply	442*130.5*350	115VAC-230VAC 1.5A 50/60Hz
RC002-16DC/D	3U height, 16-slot chassis with redundant power supply	442*130.5*350	36-72Vdc — — — , 3.5A
RC009-2AC	Power supply for RC002-16 chassis	—	115VAC-230VAC 1.5A 50/60Hz
RC009-2DC	Power supply for RC002-16 chassis	—	36-72VDC — — — , 3.5A

4. Specification

1. The number of slot:16 slots
2. Power supply
Input AC power supply: 115V AC~230V AC, 50/60Hz
Input DC power supply:-36V DC~-72V DC
3. Noise:≤ 100mVp-p
4. Power supply protection: protection for over current
5. Storage temp:-40℃~+70℃
6. Working temp:0~45℃
7. Humidity: 5%~95%
8. Dimension of product: 442mm(W)* 130.5mm(H)* 350mm(D)
9. Dimension of packing: 550mm(W)* 225mm(H)* 550mm(D)
10. Max output power consumption:80W

5. Mechanical and indicators instruction

Front panel



Indicators on the front panel of chassis are as following:

PWR: Steady on means power supply is working well.

PS1-5V: Steady off means PS1 is working well for modules in slots; otherwise it is fault.

PS1-12V: Steady off means PS1 is working well for 1st fan; otherwise it is fault.

PS2-5V: Steady off PS2 is working well for the modules in the slots; otherwise it is fault.

PS2-12V: Steady off means PS2 is working well for 2nd fan; otherwise it is fault.

6. Installation and test

1. Install the chassis to standard cabinet. Remove the face plate before installing the slide-in-modules. Slide the slide-in-module which has panel fastener screw into the installation slot, ensure the slide-in-module is firmly seated inside the chassis and then fix the fastener screw.
2. Connect the power supply module on the rear panel with 220V AC power supply through power cable; if it is DC power supply, please be attention to connect the grounding connector correctly.
3. Check the connection of power cable protection grounding; if the protection grounding is not perfect connect the grounding bolt of the equipment with safety ground.
4. Turn on the power supply switcher on the rear panel, and then the power supply indicator will be steady green which indicates the chassis works normally. Otherwise The following modules can be inserted in RC002-16 (REV.E) chassis:

Name of product	Type	Interface	Description for the product
RC1~6	Media converter	Optic, Ether	10,100,1000Mbps media converter
RC8XX	PDH/TDM	Optic, E1	1/2E1 Fiber modem
RCMS2XXX.	Ether/PDH/TDM	Optic, Ether/E1/V.35	Multi-service Converter for 1/2E1+100M Ethernet services over fiber

OPCOM	CWDM	5 Optic,RJ4	CWDM converter
RC9XX	TDM, Ethernet	E1,Optic RJ45, V.35	10BaseT to E1, V.35, and interface converter
RC001-NMS1, RC001-NMS2		Ether	SNMP agent

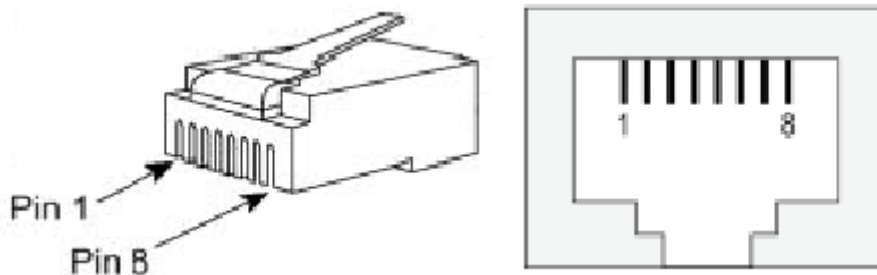
7. Q&A

	Question	Answer
1	PWR is off	Please check power supply and plug cable
2	Network management is not available	Please check if RC001-NMS1 is inserted in No. 0 slot.

8. Appendix A: How to make CONSOLE cable

RC002-16 RS232-RJ45 making cable instruction:

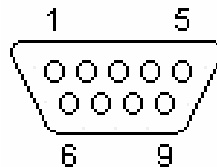
1 RJ45 line arrangement as following:



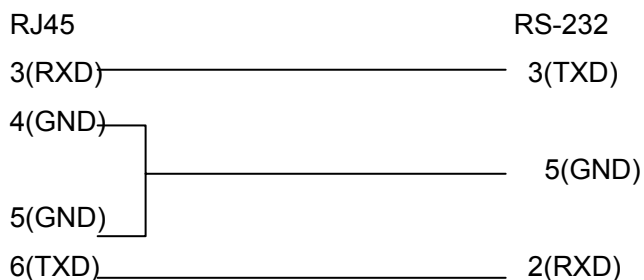
RJ45 plug

RJ45 female

2 RS-232 with DB9 connector's line arrangement as following:



3 line arrangement between RS-232 and RJ45 is as following:



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