

RSR820-T

V1.64

2022-06-30

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[http://www.ruijie.cf1 9 Tf1 0 0 1 94.824 642.82 87.1 699.94 Tm\[00 0 1 RG\[\(h\)-3\(dm\)-6\(. \)11\(c\)-6\(n.22 5](http://www.ruijie.cf1 9 Tf1 0 0 1 94.824 642.82 87.1 699.94 Tm[00 0 1 RG[(h)-3(dm)-6(.)11(c)-6(n.22 5)



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2.

1

RSR820-T/RSR820-T(A)

32

RISC

RSR820-T/RSR820-T(A)

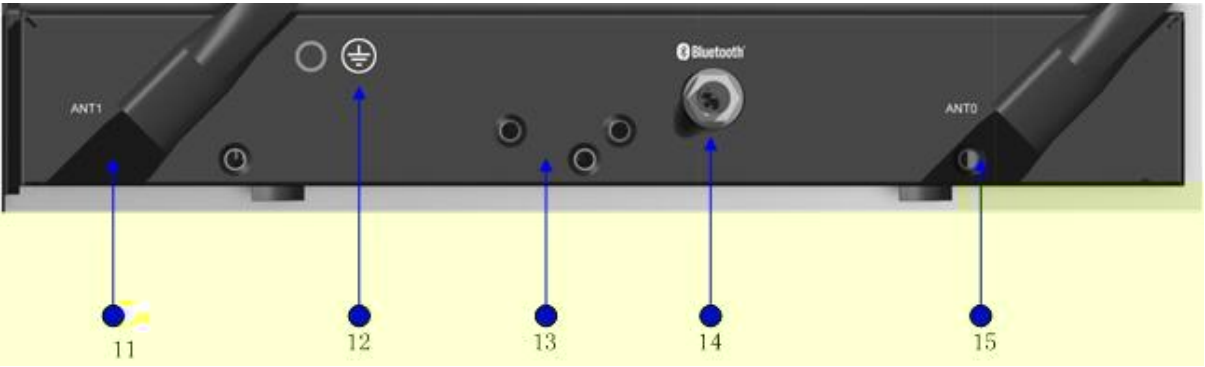
RSR820-T V1.1	TD-LTE(4G)	TD-SCDMA(3G)	GSM(2G)
RSR820-T V1.5\1.6	TD-LTE(4G)	FDD-LTE(4G)	
TD-SCDMA(3G)	WCDMA(3G)	GSM(2G)	
RSR820-T(A) V1.0\1.1	TD-LTE(4G)	FDD-LTE(4G)	
TD-SCDMA(3G)	WCDMA(3G)	CDMA2000(3G)	GSM(2G)
CDMA1x(2G)			

1.1 RSR820-T

	RSR820-T/RSR820-T(A)						
	5	LAN/WAN	1	console	RJ45	1	USB

RSR820-T

RSR820-T/RSR820-T(A) 1-



1	SIM	9	
2	FUNC	10	
3	RSSI	11	4G ANT1
4	SYS /	12	
5	USB USB	13	
6	Console	14	
7	GE0	15	4G ANT0
8	GE 1—4		

RSR820-T/RSR820-T(A)

100 240V 50~60Hz

12V 1.25A

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- VRRP
- PPPOE
- DNS DDNS
- X-MODEM
- NAT ACL AAA
- IPSEC L2TP PPTP

1.2.2

1.2.3

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1.2.4

- DEBUG
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- SNMP

- NAT
- IPSEC/IKE
- GRE
- VLAN

1.2.6

- X-MODEM (Windows XP Windows NT UNIX DOS)
Console
- TFTP
- BOOTROM
U

2

2.1

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- UPS

A

2.2

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2.2.1 /

RSR820-T/RSR820-T(A)

- -10 ~60
- 10%~90%



1.5m 0.4m



2.2.2

	0.5	1	3	5
()	1.4×10 ⁷	7×10 ⁵	2.4×10 ⁵	1.3×10 ⁵

SO₂ H₂S NO₂ NH₃ Cl₂

	mg/m ³	mg/m ³
SO ₂	0.2	1.5
H ₂ S	0	0.03
NO ₂	0.04	0.15
NH ₃	0.05	0.15
Cl ₂	0.01	0.3

2.2.3

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- 1)
- 2)
- 3)
- 4)
- 5)
- 6)

2.2.4

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2.2.5

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2.2.6

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18	24

2.2.7

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2.3

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RSR820-T/RSR820-T(A)

- HUB
-
-

PC

-
-
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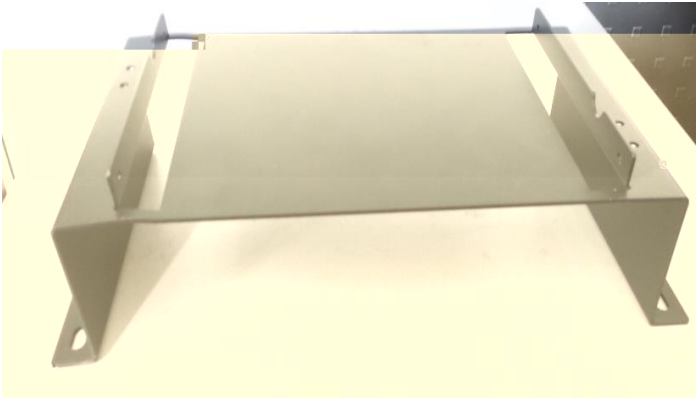
3.2.1



3-1

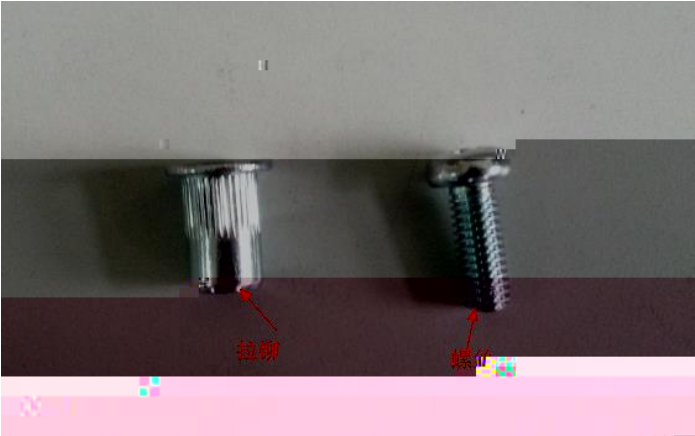
3.2.3

19



3-4



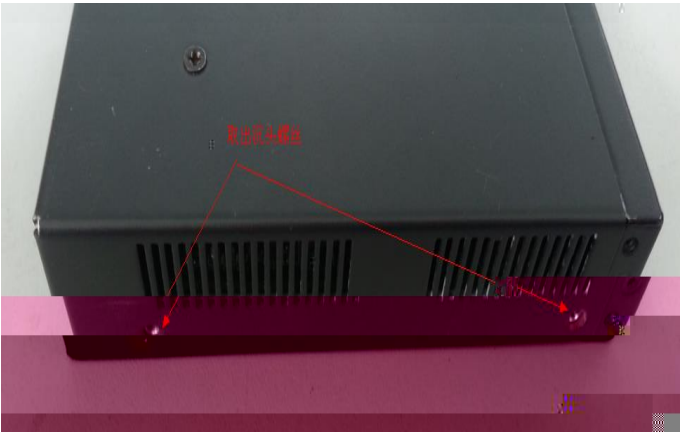


RSR820-T/RSR820-T(A)

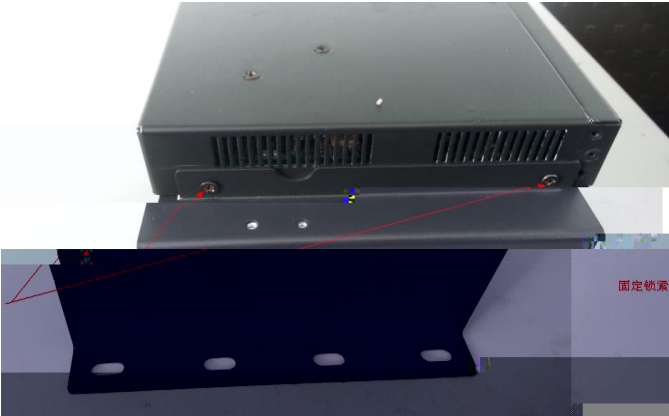
2

3-7

3-7 RSR820-T/RSR820-T(A)



RSR820-



2

3-10

3-10



3-11

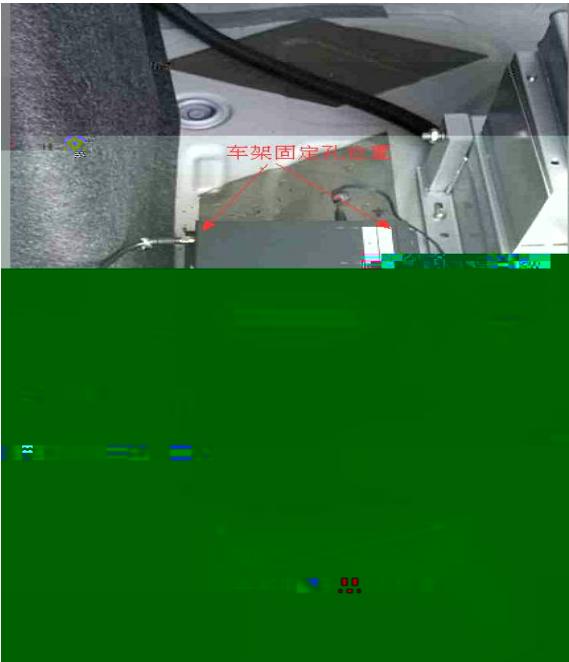
4

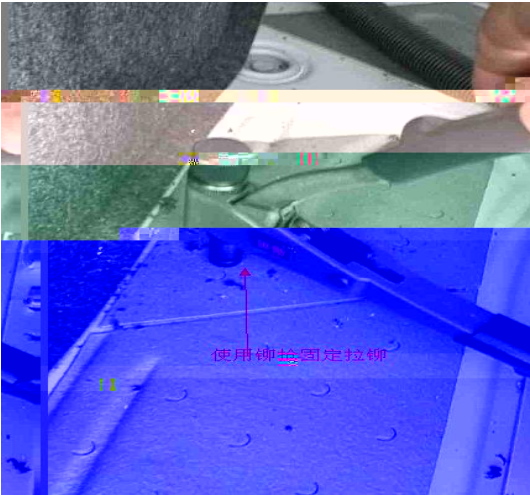
3-12

3-11



3-12





2 4G

3-14

3-14

4G



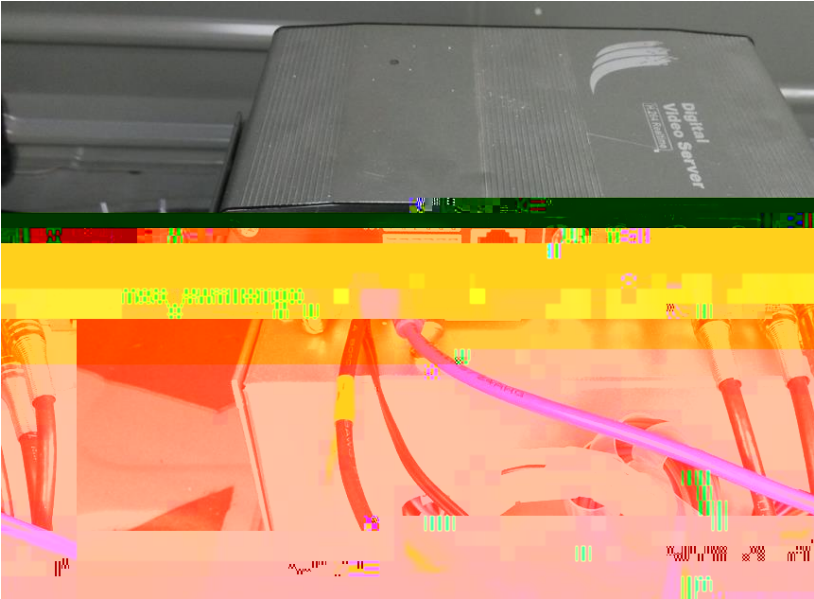
DC

3-4

DC

3-15

3-15 DC



3.3

2 4G ANT0 ANT1 1 Bluetooth

5

			
		3m	ATM
		/	4G/

3.4

RSR820-T/RSR820-T(A)

AC: 100~240V 50-60Hz

DC: 12V/1.25A



3.5

EIA/TIA-232

Console

	RJ-45
	EIA/TIA-232
	9600bps
	1
	2

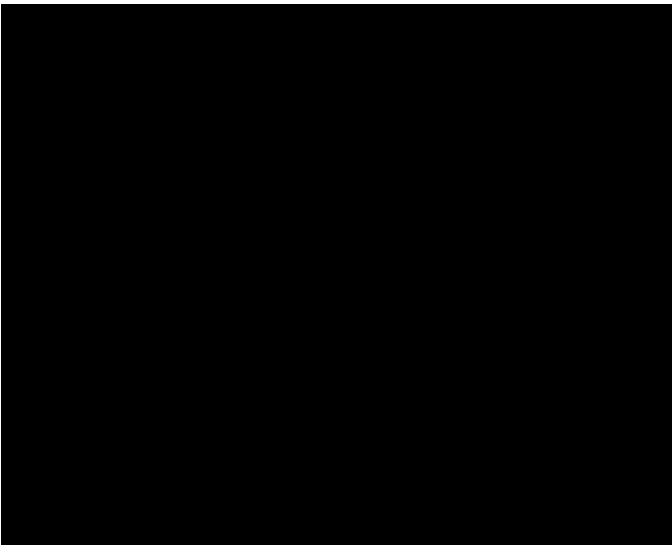
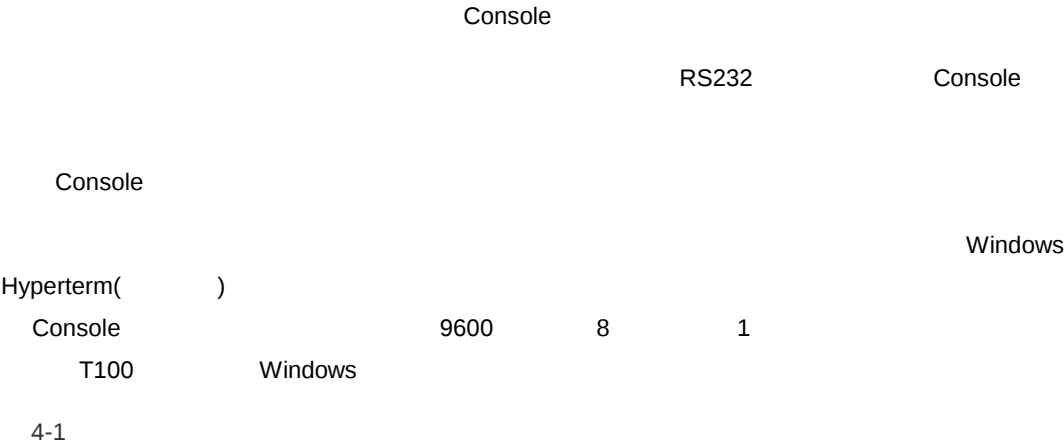
RJ45

DB-9

4

4.1

4.1.1



4-2 Console



4.2

4.2.1

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4.2.2

4.2.3

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- **SYSTEMS**
- **SYSTEMS**
- **SYSTEMS**

4.2.4

```
System bootstrap ...
Boot Version: RGOS 10.4(3b13) Release(166021)
Nor Flash ID: 0x0102194D, SIZE: 33554432Bytes
MTD_DRIVER-5-MTD_NAND_FOUND: 1 NAND chips(chip size : 134217728) detected
Press Ctrl+C to enter Boot .....
Verify the image ..[ok]
Loading main program ...
Loading main program 'rgos.bin'.
Load main program successfully.
Executing program, launch at: 0x04000000
```

```
MTD DRIVER-5-MTD NAND FOUND: 1 NAND chips(chip size : 134217728) detected
```

Self decompressing the image:

[illegible]

Self decompressing the image succeed and will jump to 0x00010000...

Ruijie General Operating System Software

Release Software (tm), RGOS 10.4(3b13) Release(165064), Compiled Tue Aug 6 14:11:06 CST 2013 by nqcf68

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Neither Decompiling Nor Reverse Engineering Shall Be Allowed.

*Jan 1 00:54:20: %MTD_DRIVER-5-MTD_NAND_FOUND: 1 NAND chips(chip size : 134217728) detected

*Jan 1 00:54:38: %DEVICE-5-CHANGED: Device RSR820-T (1) changed state to up.

*Jan 1 00:54:38: %USB-5-MODEM_FOUND: Modem <XXXX> bind with tty 1.

*Jan 1 00:55:24: %SYS-5-WARMSTART: System coldstart.

5

5.1

RSR820-T/RSR820-T(A)	SYS
■	
■	
■	
■	
SYS	

5.2

■			
■			
■			
■	1	VT100	9600 8
			

6

6.1

6.1.1 CONSOLE

