RG-RSR10-X-07

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2.

1

RSR10-X-07

1.1 RSR10-X-07

RSR10-X-07 32
RISC
RSR10-X-07
VPN IPv6 MVRF MPLS QoS

RSR10-X-07

	2	3	
HSIC-4G-LTE	√	√	X
DHSIC-6GSW	√	√	X
RG-PA60	X	√	√
HSIC-2E1/CE1	√	√	√
HSIC-5G-NR	√	√	√

2 HSIC 2 3 OFL OFL

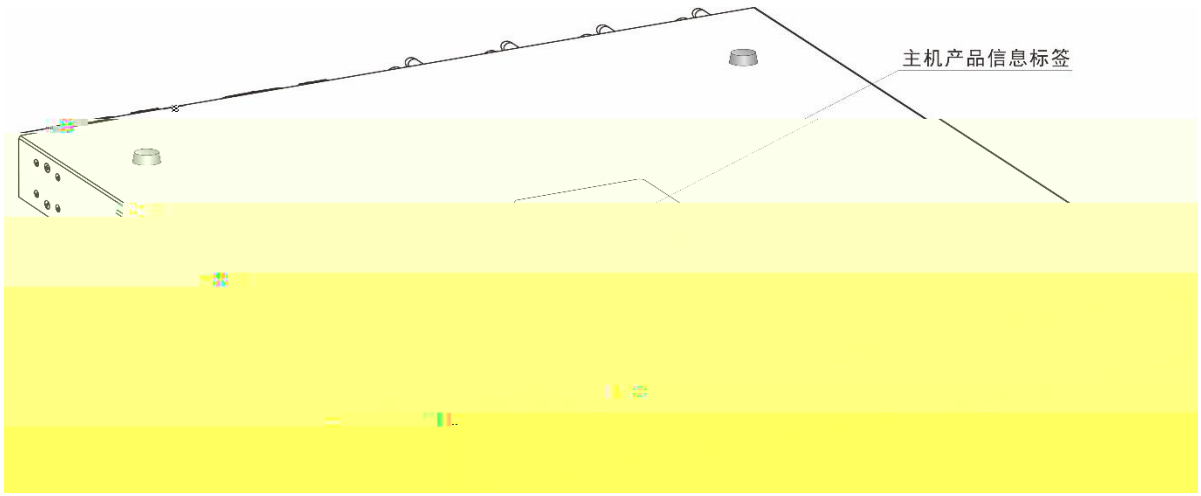
1 3 DHSIC

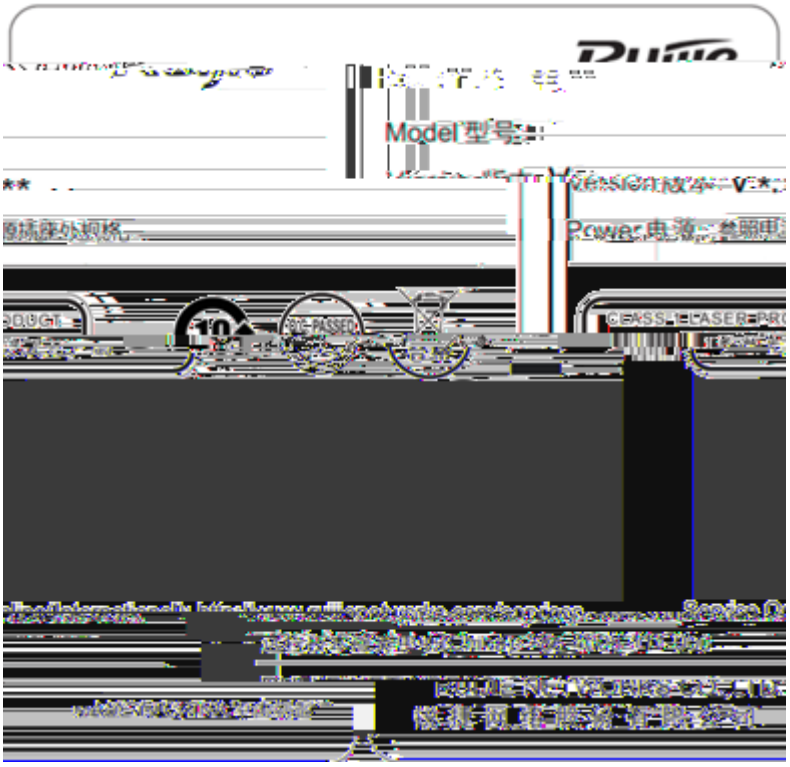
2 DHSIC 2 3 OFL OFL

DHSIC “ ” HSIC 2

	RSR10-X-07
	3 WAN 4 LAN 3 WAN 10M/100M/1000M 1 1000M/100M SFP 4 LAN 4 10M/100M/1000M 1 USB 2.0 1 Console 1 SD FUNC
HSIC	2 2 HSIC/DHSIC

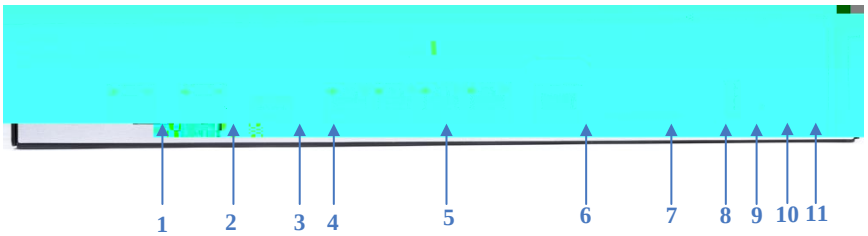
	RISC
BOOT ROM	2MB
NAND FLASH	128MB
DDR II	512MB
(W*H*D)	290mm *44mm *270mm
	2.3kg
	AC100 240V 50~60Hz
	25W
	0 45
	-40 70
	5% 95%RH
	5% 95%RH
EMC	GB/T 9254.1
	GB 4943.1
	ESD 6KV 8KV





4 3 WAN ,3 WAN 10M/100M/1000M 1 SFP
1 FUNC RGOS 1 SD USB

1U



1 GE0/0 RJ45 7 SD

10/100M LINK/ACT (8 SD

1000M LINK/ACT (9 USB

2 GE0/1 RJ45 10 FUNC

10/100M LINK/ACT (11 USB

1000M LINK/ACT (

3 GE0/2 SFP

4 GE0/2 SFP

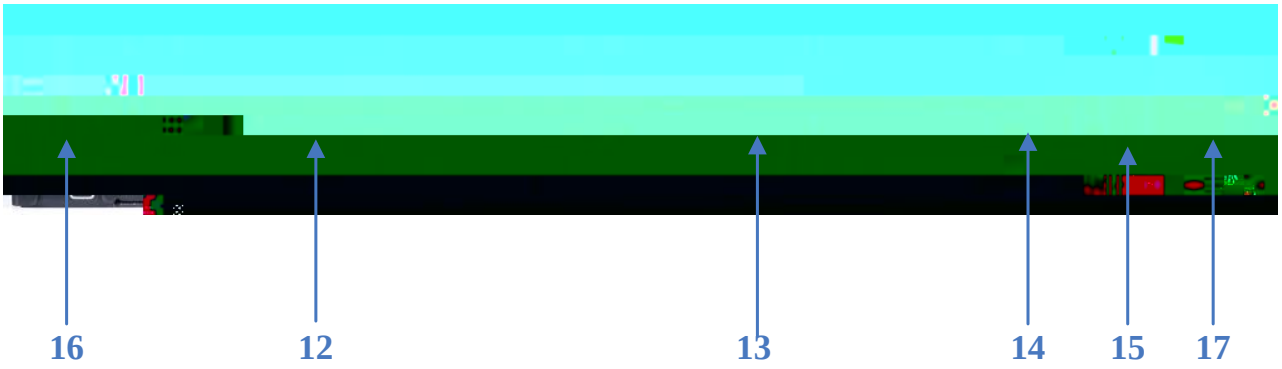
5 GE1/0--GE1/3 RJ45

10/100M LINK/ACT (

1000M LINK/ACT (

6 Console

GE 1000M LINK/ACT (	GE 1000M LINK/ACT (Link up LINK 10M/100M 1000M Link up 1000M
SFPLINK/ACT	SFPLINK/ACT : Link up 100BASE-FX/1000BASE-X Link up 100BASE-FX/1000BASE-X
SD	SD SD SD SD SD



12	SLOT 2	15	
13	SLOT 3	16	
14		17	

EXEC show slots

1.2

RSR10-X-07

1.2.1 console

RSR10-X-07 console

console

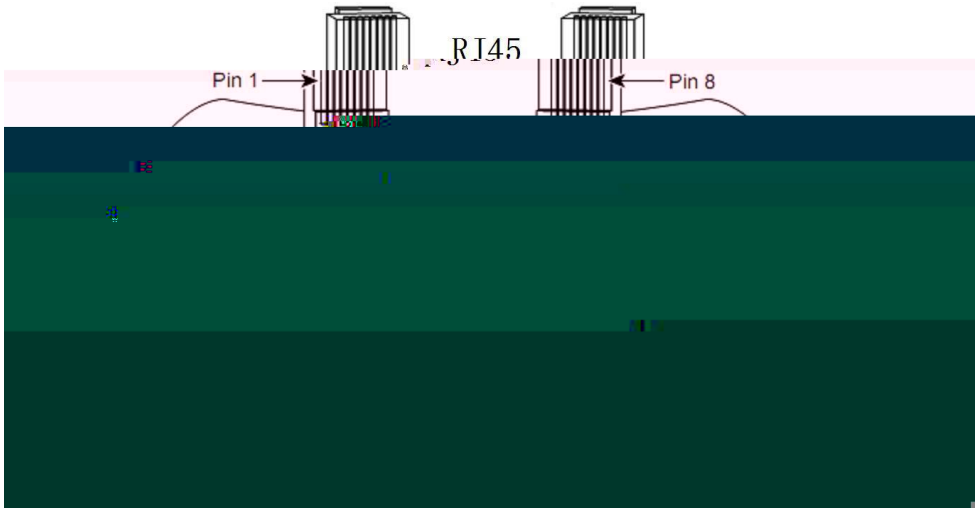
	6 10/100/1000Base-T/1000Base-TX;
	IEEE Std 802.3 2008

GE

10/100/1000BASE-T 5E UTP STP 100m

MDI/MDIX MDI/MIDX

RJ45 1 8



1000BASE-T IEEE 802.3ab 100-ohm 5 UTP STP

STP 100

1000BASE-T

Pin	MDI	MDI-X
1	Media Dependent Interface A+	Media Dependent Interface A+
2	Media Dependent Interface A-	Media Dependent Interface A-
3	Media Dependent Interface B+	Media Dependent Interface B+
4	Media Dependent Interface C+	Media Dependent Interface C+
5	Media Dependent Interface C-	Media Dependent Interface C-
6	Media Dependent Interface B-	Media Dependent Interface B-
7	Media Dependent Interface D+	Media Dependent Interface D+

1000BASE-T

Router	Router	Router	Router
1 MDIA +	1 MDIA +	1 MDIA +	1 MDIA +
2 MDIA -	2 MDIA -	2 MDIA -	2 MDIA -
3 MDIB +	3 MDIB+	3 MDIB +	3 MDIB +
6 MDIB -	6 MDIB -	6 MDIB -	6 MDIB -
4 MDIC +	4 MDIC+	4 MDIC +	4 MDIC +
5 MDIC -	5 MDIC-	5 MDIC -	5 MDIC -
7 MDID +	7 MDID+	7 MDID +	7 MDID +
8 MDID -	8 MDID-	8 MDID -	8 MDID -

100BASE-TX/10BASE-T 10Mbps 100-ohm 3 4 5
100Mbps 100-ohm 5 100 100BASE-TX/10BASE-T

100BASE-TX/10BASE-T

Pin	MDI	MDI-X
1	Output Transmit Data+	Input Receive Data+
2	Output Transmit Data-	Input Receive Data-
3	Input Receive Data+	Output Transmit Data+
6	Input Receive Data-	Output Transmit Data-
4 5 7 8	Not Used	Not Used

100BASE-TX/10BASE-T

100BASE-TX/10BASE-T

Router	Router	Router	Router
1 IRD +	1 OTD +	1 IRD +	1OTD +
2 IRD -	2 OTD -	2 IRD -	2OTD -
3 OTD +	3 IRD +	3 OTD +	3 IRD +
6 OTD -	6 IRD -	6 OTD -	

	9/125um 2km 15km

1.2.4 USB

USB U USB U USB USB
U USB

RSR10-X-07 USB USB
USB

	USB2.0
	USB Host
	1.5Mbps /12Mbps /480Mbps
	Host

USB RGOS “ ” USB

USB U U Kingston Sandisk

USB FAT32 FAT32 FAT32

USB USB 5

1.2.5 SD

SD SD SD SD
SD SD

RSR10-X-07 SD SD
SD

SD RGOS FUNC RSR10-X-07

	SD/SDHC
	SD Connector
	5MB/sec max
	Device
SD	SDHC

SD RGOS “ ” SD

SD FAT32 FAT32 FAT32

SD SD SD Kingston Sandisk

1.2.6 FUNC

FUNC

FUNC USB

.

SD U FUNC SD U

SD U FUNC ,

SD SD SD

U SD U

1.3

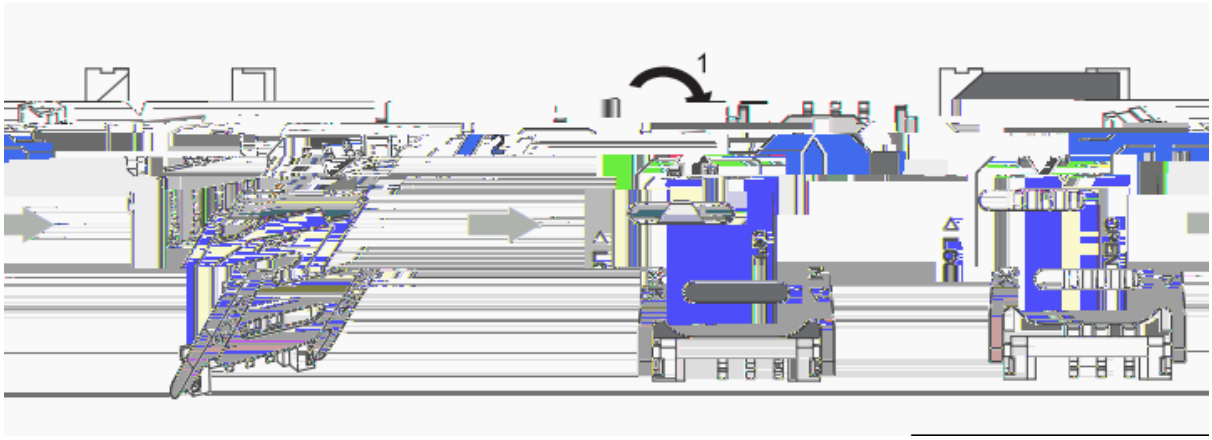
RSR10-X-07 ḍ ” ” ō Ṕ S 4 Ű κ Ḗ .

SIM

SIM OPEN

60 SIM LOCK

SIM SIM



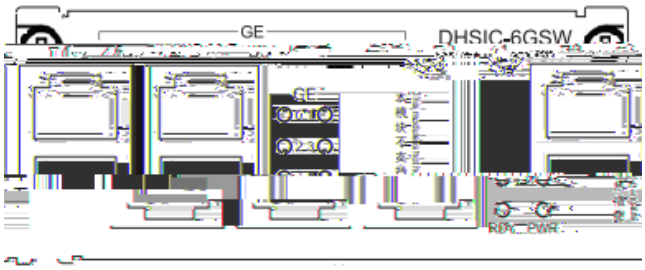
1 HSIC-4G-LTE 2 6.2

ANT0 ANT1

1.3.2 6 DHSIC-6GSW

DHSIC-6GSW 6

DHSIC-6GSW



RDY RJ45 1

Link/ACT Link/ACT

DHSIC-6GSW

PWR	
RDY	
RJ45 Link/ACT	1000Mbps LinkUp 1000Mbps 100M/10Mbps LinkUp 100M/10Mbps

DHSIC-6GSW OFL

Link/ACT	E1/CE1 0~1	
OFL		3s RDY RDY

HSIC-2E1/CE1

HSIC-2E1/CE1 E1 CE1

2

DB9M	RJ45	
1	5	RX Ring
2	4	RX Tip
4	1	TX Tip
5	2	TX Ring

1.3.4 HSIC-5G-NR

HSIC HSIC-5G-NR

HSIC-5G-NR

RDY	,			
RSSI				
5G	5G	5G	5G	5G
4G	4G	4G	4G	5G
3G	3G	3G	3G	5G

OFL

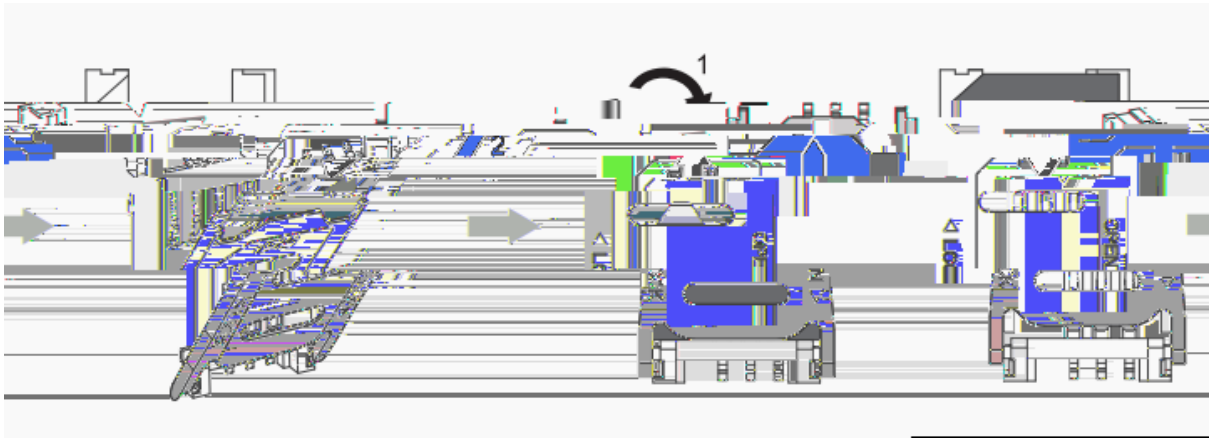
	5G/4G LTE-TDD LTE-FDD /WCDMA
	0 45
	40 - 70
	5 95
EMC	GB/T 9254.1
	GB 4943.1

SIM

SIM OPEN

60 SIM LOCK

SIM SIM



1 HSIC-5G-NR 4 6.2

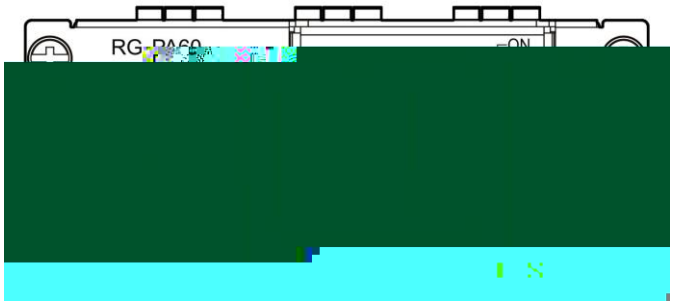
4 16CM

ANT0 ANT1 ANT2 ANT3

1.4

1.4.1 RG-PA60

RG-PA60



	RG-PA60
	100-240V~ 50-60Hz
	90~264V~ 50-

1.5.1

RSR10-X-07

RJ45 SFP ARP 802.1Q

X.25 HDLC PPP SLIP

TCP/IP IP ICMP IGMP TCP UDP

IP RIP V1/V2 RIPng OSPF V1/V2/V3

SNMP

TELNET TELNET

DHCP Server DHCP Client DHCP Relay TFTP

VRRP

PPPOE

DNS DDNS

X-MODEM

NAT/NAT-PT ACL AAA

IPSEC L2TP PPTP

MPLS VPN

1.5.2

1.5.3

1.5.4

DEBUG

SNMP

1) Console

2) TELNET

3)

4)

1.5.5

IP

AAA RADIUS

PPP PAP CHAP callback

OSPF RIP V2

NAT

IPSEC/IKE

GRE

VLAN

1.5.6

/

autocommand autocommand

telnet autocommand

tty

TELNET

1.5.7

X-MODEM (Windows XP Windows NT UNIX DOS)

Console

2

2.1

UPS

2.2

/

2.2.1 /

RSR10-X-07

0 ~45

10%~95%

2.2.4

2.2.5

2.2.6

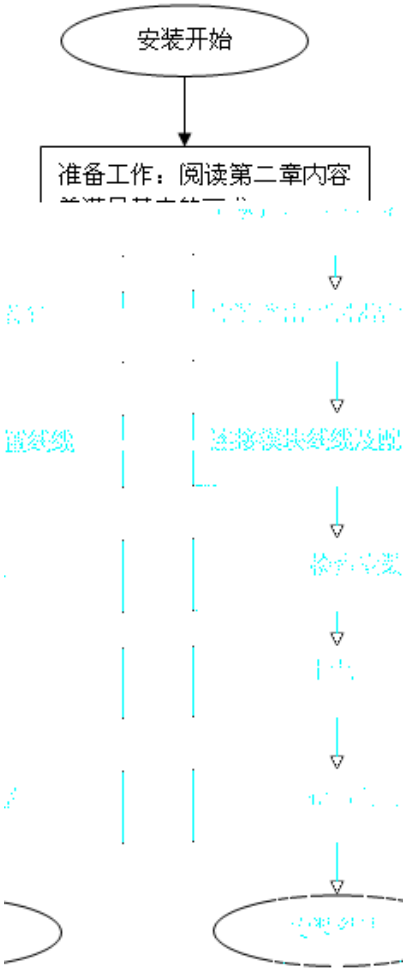
RSR10-X-07 E1/T1

2.2.7

2.3

3

3.1

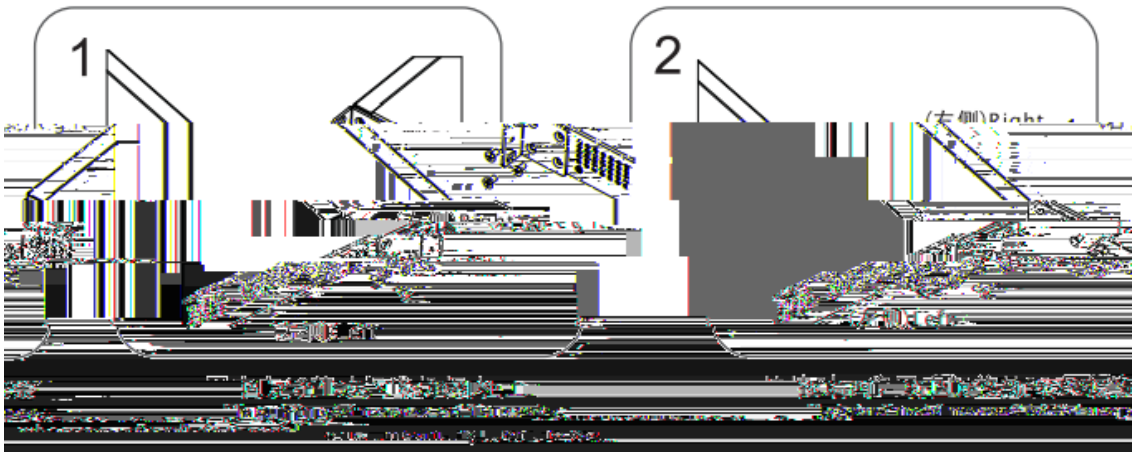


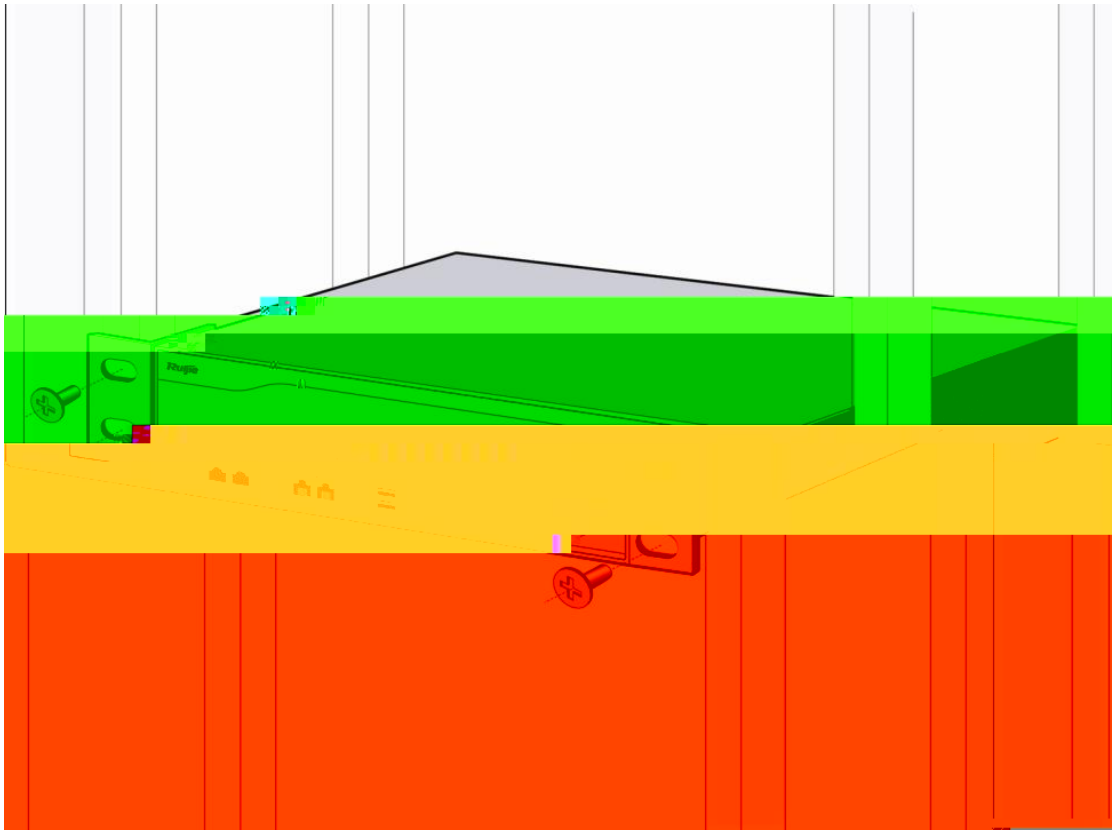
3.2

3.2.1

RSR 19

RSR10-X-07





3.2.2

19

10cm

3.2.3

RSR10-X-07

144mm

2

3.3

RSR10-X-07

AC: 100~240V 50-60Hz

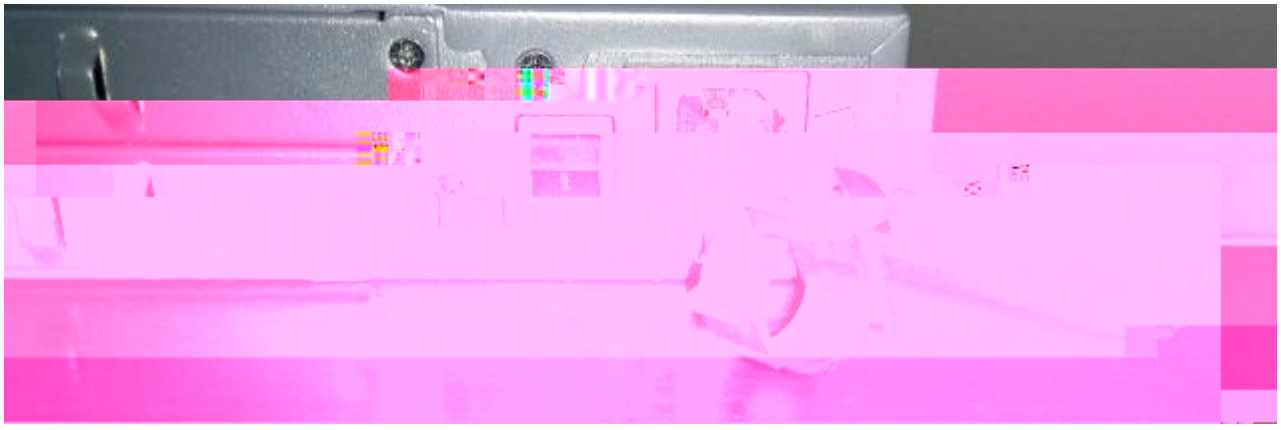
“ ”

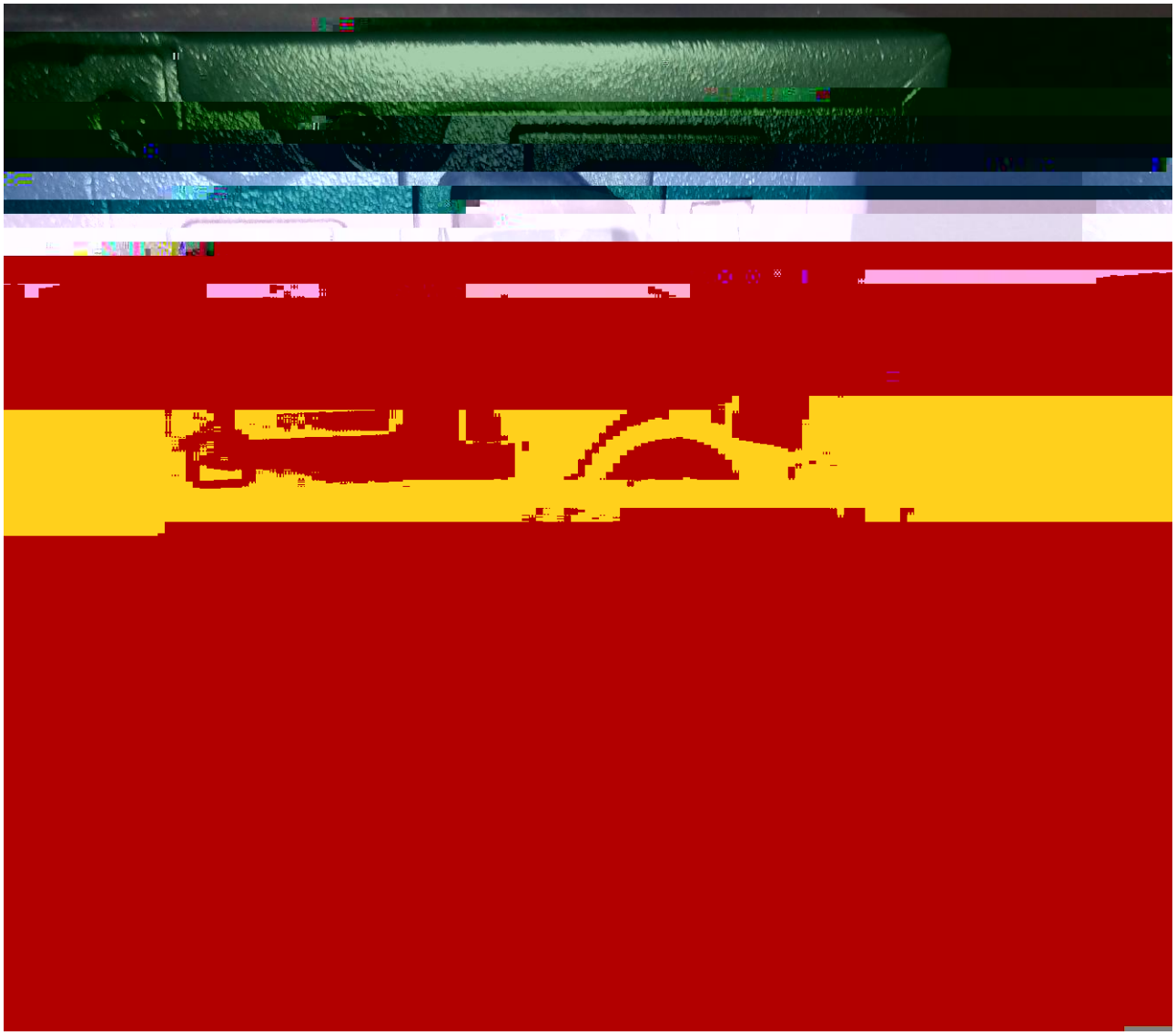
“ ”

RSR10-X-07 POWER

RSR10-X-07

RSR10-X-07





3.4

EIA/TIA-232 Console

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

DB-9

3.5

3.5.1

3.5.2

3.5.3

EXEC

3.6

3.6.1

RSR10-X-07 RG-PA60

3.6.2

RSR10-X-07

4

4.1

4.1.1

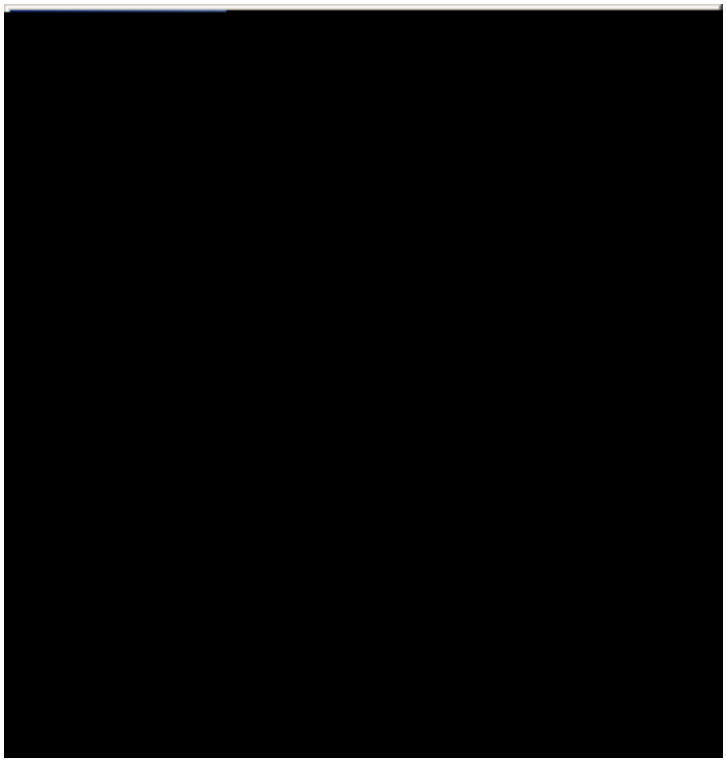
Console

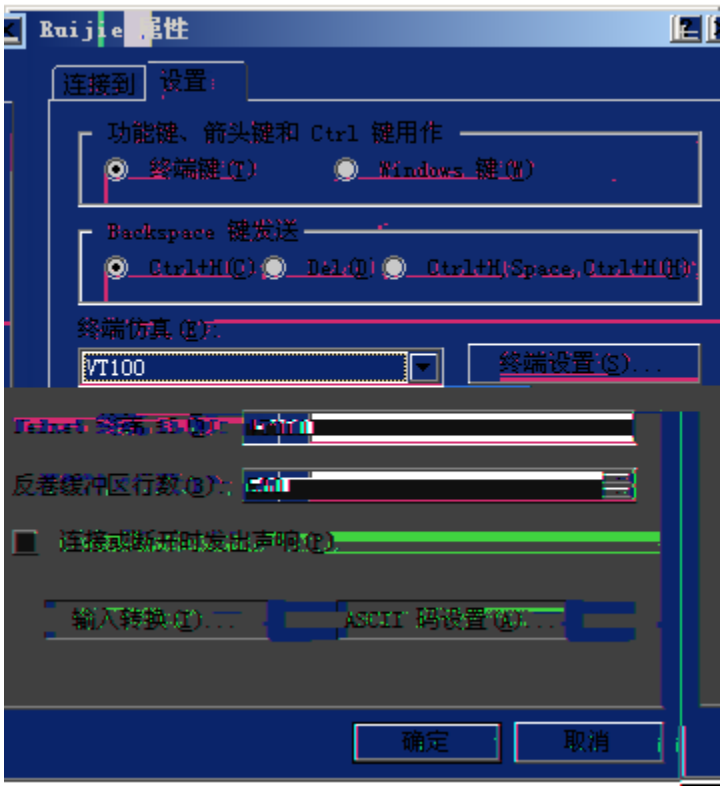
RS232 Console

Console

Windows

连接到
Ruijie
国家(地区)(C):
区号(E):
电话号码(P):
连接时使用(N):
COM1
确定
取消





4.1.2

4.1.2.1

4.1.2.2

“ ON ”

4.1.2.3

RSR10-X-07

RSR10-X-07 SYSTEM

4.1.3

```
**********************************************
System bootstrap ...
Boot Version: RGOS 10.3(4), Release(53498)
Nor Flash ID: 0x00010049, SIZE: 2097152Bytes
MTD_DRIVER-5-MTD_NAND_FOUND: 1 NAND chips(chip size : 33554432) detected
MTD_DRIVER-5-MTD_NAND_FOUND: 1 nand chip(s) found on the target.
Press Ctrl+C to enter Boot Menu ......
Main Program File Name rgos.bin, Load Main Program ...

Executing program, launch at: 0x00010000
Ruijie General Operating System Software
Release Software (tm), RGOS 10.3(4), Release(53498), Compiled Fri Apr  3 08:45:59 CST 2009 by ngcf31

Copyright (c) 1998-2009 by Ruijie Networks.
All Rights Reserved.
Decompiling or Reverse Engineering is Not Allowed.

00:00:00:00: %MTD_DRIVER-5-MTD_NAND_FOUND: 1 NAND chips(chip size : 33554432) detected
00:00:00:00: %MTD_DRIVER-5-MTD_NAND_FOUND: 1 nand chip(s) found on the target.
00:00:00:17: %LINK-5-CHANGED: Interface FastEthernet 0/1, changed state to up
00:00:00:17: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet 0/1, changed state to up
00:00:00:17: %LINK-5-CHANGED: Interface FastEthernet 0/0, changed state to up
00:00:00:17: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet 0/0, changed state to up
00:00:00:31: %SYS-5-COLDSTART: System coldstart.

Ruijie>
Ruijie>
```

```
Ruijie>
Ruijie>
Ruijie>
```

4.2

6

6.1

6.1.1 E1

E1 E1 Modem

6.1.1.1 DB9F E1/CE1 Modem

1)

2)

3)

V-03260037-000	CAB-E1 balanced/DB9M-RJ45M/120 ohm/3m