# .&e ¢¥4 Ä V1.24Å

## RG-NPE 3G

## 5A7

©2000-2012

# 1

[illegible] http://www.ruijie.com.cn/ [illegible]

[illegible]

[illegible] http://webchat.ruijie.com.cn[illegible]

[illegible]

[illegible] http://www.ruijie.com.cn/service.aspx [illegible]

[illegible]

7h 24 [illegible] 4[illegible] 4008-111-000

[illegible] http://support.ruijie.com.cn

[illegible] service@ruijie.com.cn

# -(£tÉ

| [illegible] | [illegible] |
|---|---|
| [illegible] | [illegible] |
| [illegible] | [illegible] |

XÈ@§ RG-NPExxx 3+G5 10 jÈ@§ NPExxx 3+G5Ä

B4ïB5ž¿tV,ý-jÈ69iÈJ.

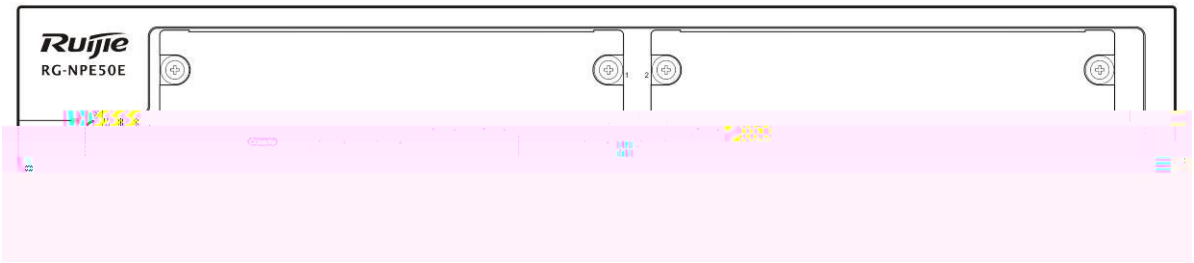
AÏ+aÏ+e"D)Ã 456FÕLu65žzÄ5P¼CJÊ

F65ž Ä

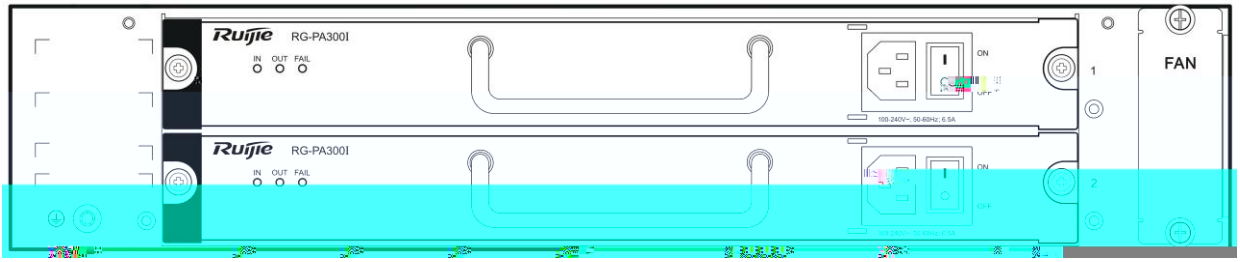
# 1 ý

## 1.1.2 ®© NPE50E 5£

### 1.1.2.1 ®© NPE50E 5£ ®




. 1-3 ®© NPE50E 5£ ¥M¯




. 1-4 ®© NPE50E 5£ ¥M¯

### 1.1.2.2 ®© NPE50E 5£ G5ž

®© NPE50E ,G5žÖ

| N© | ¥ |
|---|---|
| Ø | DDR2 SdramÖ 4GB |
| | NorFlashÖ 8MB |
| | NandFlash Ö 512MB |

I/O AÕž svZ5Ö

1 8 )y+e≠X1Ÿ1wF⊢ WAN/LAN 7È
1 0/1Ã 0/3Ã 0/5Ã 0/7 UAÔ WAN È 0/0Ã 0/2Ã
0

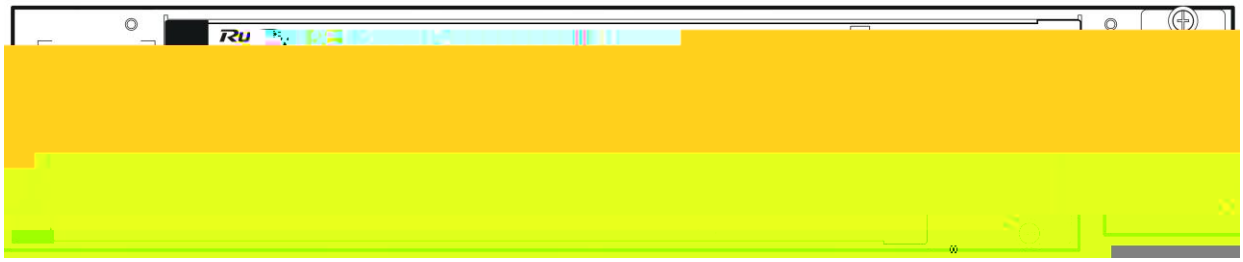
| | |
|---|---|
| BYPASS | BYPASSÖ<br>1 0/0-0/1, 0/2-0/3<br>BYPASS<br>BYPASS<br>y BYPASSÖ<br>BYPASS |
| 0 | 1 2 Z RG-PA300I |
| ' | N |
| | Ö 10Base-T/100Base-TX/1000Base-TX,<br>1000BASE-SX/LX/ZX |

| | |
|---|---|
| | [illegible] |
| SD | [illegible] |
| USB | [illegible] |
| 1[illegible] Link 7[illegible] | link [illegible] |
| 1[illegible] ACT 7[illegible] | 9[illegible] |
| 0-7 [illegible] | [illegible] ® /[illegible] |
| 0F-7F sy7 [illegible] | link[illegible] |
| OBS0,OBS1 y BYPASS 7[illegible] | [illegible] |

## 1.1.3 [illegible] NPE60 5£

### 1.1.3.1 [illegible] NPE60 5£ [illegible]

. 1-5 [illegible] NPE60 5£ [illegible]



. 1-6 [illegible] NPE60 5£ [illegible]

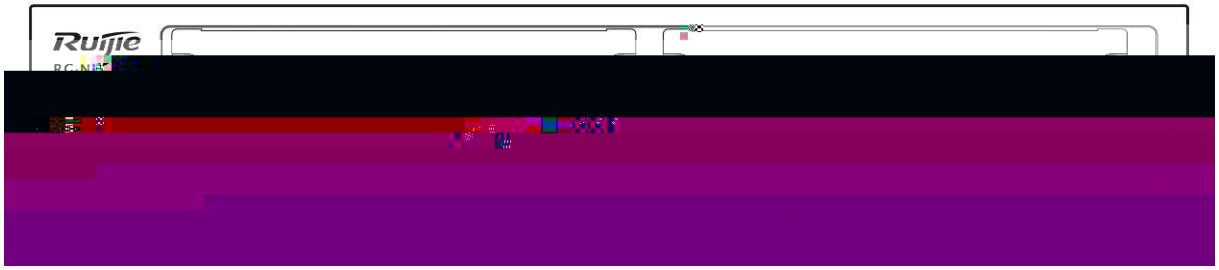
### 1.1.3.2 [illegible] NPE60 5£ [illegible]

[illegible] NPE60 ,[illegible]

| N© | [illegible] |
|---|---|
| [illegible] | DDR2 SDRAM[illegible] 2GB |
| | BOOTROM[illegible] 2MB |
| | FLASH [illegible] 512MB |

## 1.1.4 [illegible] NPE60E [illegible]

### 1.1.4.1 [illegible] NPE60E [illegible]




. 1-7

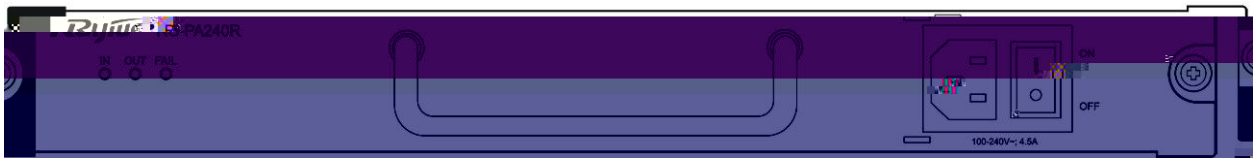
| | |
|---|---|
| | SD 1 P |
| BYPASS | BYPASSÖ<br>1 0/0-0/1, 0/2-0/3<br>8Ø BYPASS<br>BYPASS<br>y BYPASSÖ<br>BYPASS |
| 0 | 1 2 Z RG-PA300I |
| ' | N |
| | Ö 10Base-T/100Base-TX/1000Base-TX,<br>1000BASE-SX/LX/ZXÈ 10G BASE-SX/LX |
| | Ä RS-232 |
| (W h Hh D) | 440mmh 88.1mmh 420mm |
| | 100-240V~;50-60Hz |
| | ¾ 100W |

| | |
|---|---|
| FAN | [illegible] |
| SD | [illegible] |
| USB | [illegible] |
| 1[illegible] Link 7[illegible] | link [illegible] |
| 1[illegible] ACT 7[illegible] | 9[illegible] |
| 0-7 [illegible] | [illegible] |
| 0F-7F [illegible] | link[illegible] |
| OBS0,OBS1 y BYPASS 7[illegible] | [illegible] |
| 0SFP+ 1SFP+ 7 [illegible] | 58[illegible] Link<br>58[illegible] ACT<br>[illegible] Link |

## 1.2 [illegible]

### 1.2.1 RG-PA240R [illegible]

#### 1.2.1.1 [illegible]




. 1-9 RG-PA240R +e[illegible]

| | |
|---|---|
| 7/jB$ | [illegible] |
| IN | E[illegible] 5/8¢ hÞ<br>E[illegible]h Ö [illegible] |
| OUT | E[illegible] Ö [illegible] 5/8[illegible]Þ<br>E[illegible]hÖ [illegible] |
| FAIL | +e[illegible] Ö [illegible]<br>+e[illegible]h Ö 4[illegible]Þ |

#### 1.2.1.2 [illegible]

| | |
|---|---|
| [illegible] | [illegible] |
| [illegible] | 100-240V~; 50-60Hz; 4.5A |

12V

## 1.3.1 ¾1Þ

¾0 NPE 3+G5£ F2+X@J,55)¾1Ö

ë4ï RJ45 ÊZ5ÁÃ ARP ÁÞ

55r:1 TCP/IP Á27¾ IPÃ ICMPÃ IGMPÃ TCP ¼ UDPÃyÁÞ

1J/ý IP :,ØD+aÁÖ RIP(V1/V2)È OSPF 1y

155 1ÕÁÞ SNMP

1 TELNET

1 DHCP 1y

1 PPPoE

12ØEÃÞ X-MODEM w4×ê

1 NAT

11ÞD+a

1 VRRP

1 L2TPÈ PPTP ÁÞ

1 TFTP

## 1.3.2 ¾ µ

ë6ÊMÈ5ÊÈ4ïX4ÃÑ

ÊXÞ14G-9B4ïÈ¾Ã'úLÈÁ Ä

8 web +M7ï CLI G5ÊMÈ¾X@È5ÊÈÁ

## 1.3.3 ¾1ÃÃ5

¼B3BDDZ¾ DEBUG 7È¾/55uLÄ

¼5A(ëï/j7-ÊXg)55,W7-F¼ë0-¼Ä

1J/ý¼,G5¾

FJE÷Console F¾5ž

FJE÷TELNET ,G5ž

FJE÷TFTP Ã} 5ž

## 1.3.4 8¾7

G+X¼bÉ IP 5E%È55pÃFÁ2wF¼ÁÄ

PPP Á¾¼

## 1.3.5 ¨ÿ

G+XÃ@8k.D,ê DPI EÃ5OõÄÃ5 P2P ÄXÃ IMÃÃÃ
1JÃ5ÃÃ1yXµk¡ 600 J/ÄÄ
5•5GÃÃÃ×24ÃÃ5FÃÃXÃÃ+Xåy(æ
ÃÃÃXg,ÃÃÃ /-,´ IP ÃÃÃ
ÄXÄÄ Session GÃ1yB4ÃÃ
1¾XgÄ IP ÃÃ IP ÃÃÃÃX1yjÃÃ,Lkõ
Aõ-ÄÄÄ¼ÃfÃ> Session GÃ f1yÄ
1ÃB;GÃÃ+Xg4Ä IP 4ÃÄÄ P2P ÄÄÃÃ2Ã2×
,ÄXÃ(4×[+XgFÃ/1ÃÃ1+,×fÄ

## 1.3.6 ÃÃ÷ %ÄÑ

5•5GÃÃÃ×24ÃÃ5FÃÃXÃÃ+Xåy(æ
ÃÃÃXg,ÃÃÃ /-,´ IP ÃÃÃ
ÄXÄÄ Session GÃ1yB4ÃÃ
1¾XgÄ

1¾XgÄ

## 1.3.7 ÃÃ

12ÃEÃ X-MODEM ÄÃ4/ý ÃÃ (² Windows 95Ã Windows NTÃ UNIXÃ DOS 1y);FJE÷ Console ;EÄw4×(xÄ
1FJE÷ TFTP ÄÄÄÄ(xÄ
1

# 2 5£ [illegible]

## 2.1 [illegible]©

[illegible]

X 5£ [illegible]

,1 d`° z B9=?± A7 n5X9"d,[illegible] A7 Ä

B6 A7 n5XF/[illegible]

z B:ÂÔ A7 ,hÃ

B+XgX[illegible]0;kÃ



X

## 2.2.1 [illegible]

[illegible]

| [illegible] | | [illegible] | |
|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] |
| 15 ~30 | 0 ~45 | 40%~65% | 10%~90% |

## 2.2.2 [illegible]

[illegible]

## 2.2.3 [redacted]

[redacted] A7 F [redacted]

[redacted]e4[redacted]+e1yF+|+ej)[redacted]

[redacted]1y[redacted]3+5Ä

[redacted]bM%[redacted],´d[redacted]

A7[redacted]

[redacted]bH

1F2,[redacted]

)[redacted]Xg[redacted]+eD[redacted]

[redacted] A7 +eD[redacted]LbM%[redacted]70[redacted]LbM%[redacted]

6[redacted]+eD[redacted]M:n5[redacted]%[redacted],[redacted]En+e.[redacted]

[redacted]E[redacted] 5£ +eD[redacted]+X[redacted]+eD,[redacted]FE[redacted]HF[redacted]FX{[redacted]+eD[redacted]

:,[redacted]

## 2.2.4 [redacted]

[redacted]

)[redacted]e3+5G[redacted]x,[redacted]b+e5[redacted] SGz

5£ [redacted]

5Ö

M0

LbM%e7…

FÕe565Ö

+e4ï

G54ï

Z54ï

Ôï

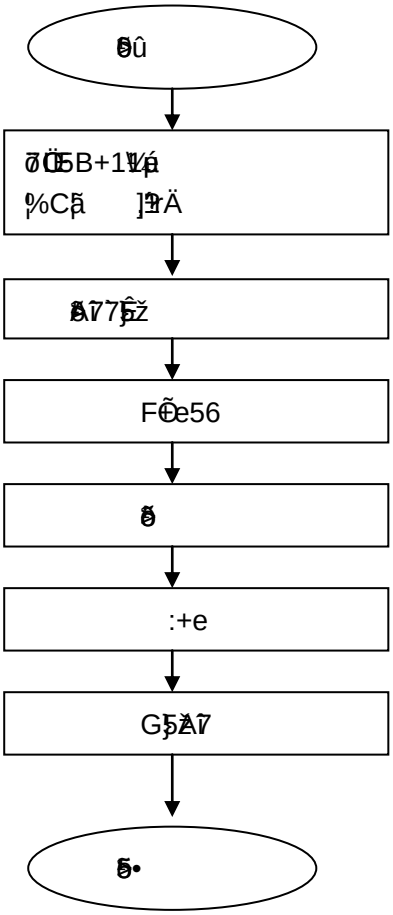
-(A75Ö

HUB

# 3 5£ ÕÕ

## 3.1 5£ ÕÕ

[illegible] 5£ [illegible]




## 3.2 Ê 5£ ÕÕ

ÕÕ AÕ 7ÕÕ Ê AÕÄ [illegible] 5£ Ê [illegible] 5£ [illegible]

ÕÕ

ÕÕ

### 3.2.1 ÕÕ

[illegible] 5£ [illegible] 5£ [illegible]

### 3.2.2 [illegible]

[illegible]7È [illegible] 6<6 [illegible] A7 [illegible]È.
[illegible]

A[illegible]cW[illegible]
[illegible]XLj[illegible] [illegible] 5£ [illegible] A7 [illegible] 10cm [illegible]
[illegible] A7 :Mh5[illegible]

## 3.3 [illegible]

[illegible] NPE 3+G5£ [illegible] 63 [illegible] 101 [illegible] Ö

100-240~; 50-60Hz

B[illegible]

5£ [illegible] 94[illegible] X9[illegible] (94[illegible] FJ[illegible]
[illegible] 1[illegible] X8[illegible] e3+5,[illegible]
[illegible] 4[illegible]

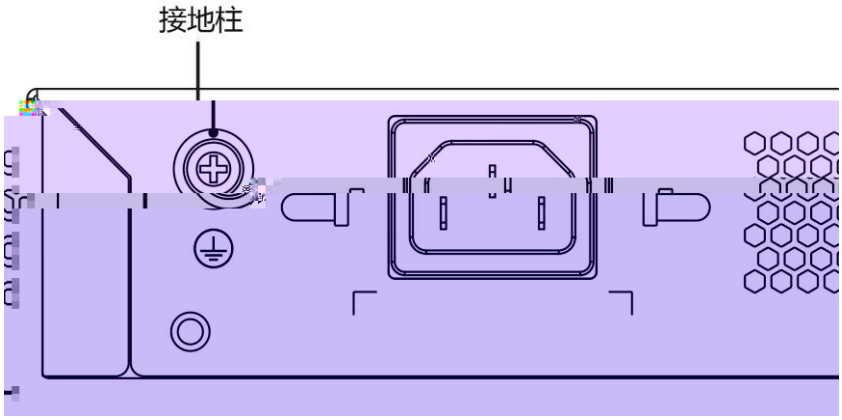
B9[illegible]

10[illegible] 5£ Lj[illegible] 01` [illegible] 5£ j1[illegible]
1[illegible] :Ä

1[illegible] 5£ [illegible]

## 3.4 [illegible] Ü Õ

[illegible]
[illegible] NPE3[illegible] 1[illegible] 3-2Ä




. 3-2 NPE3[illegible]

## 3.5 [illegible]

[illegible] EIA/TIA-232 [illegible] ConsoleÈJEÊZ [illegible] WEB [illegible] [illegible]

×f [illegible]

| | |
|---|---|
| ò | B$ |
| [illegible] | RJ-45 |
| [illegible] | 2 EIA/TIA-232 |
| [illegible] | 1 9600bps [illegible] 57600bps È 115200bps |
| 1 [illegible] | 1. [illegible]<br>2. [illegible]<br>3. [illegible] |

[illegible] ×f [illegible]

[illegible] ×f [illegible] ) [illegible] DB-9 [illegible]

## 3.6 [illegible]

[illegible]

9 [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

# 4 _ [illegible]

## 4.1 [illegible]

### 4.1.1 [illegible]

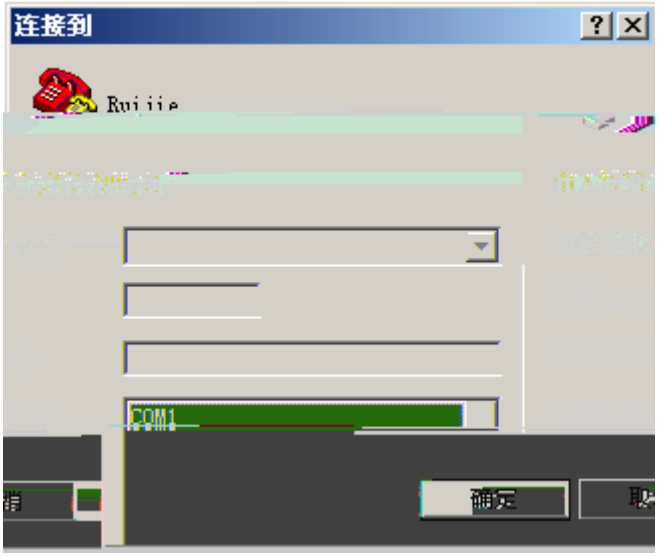
X [illegible] Console [illegible] F[illegible]

1[illegible]p/j[illegible]01V4[illegible]F65[illegible]bFJE7[illegible] RS232 4[illegible]56 ¼ [illegible] ,´ Console [illegible] F[illegible]

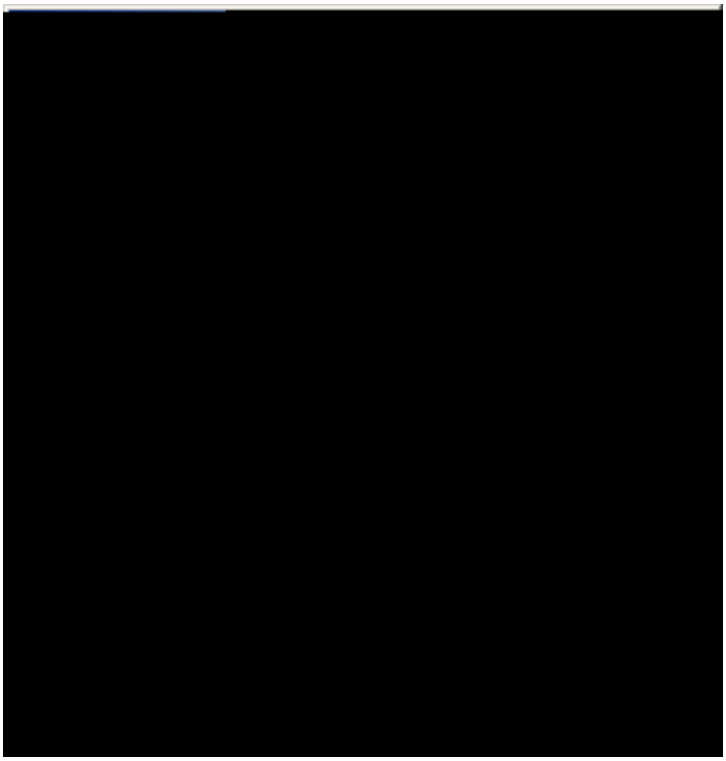
FJE÷Console [illegible]

1[illegible],FJA[illegible]+X[illegible]M0[illegible]/-O0;[illegible] Windows [illegible] Hyperterm(C[illegible])1y[illegible] Console F[illegible]JA[illegible] 9600 [illegible] 8 [illegible] 1 [illegible]F94[illegible]/-O2[illegible] VT100[illegible] .,´ Windows ,C[illegible],A[illegible]MÄ

[illegible]




F9¼ 5£ ,´ Console F¢Ãþ



A5½,FJA6

F94ø/-O2※

[illegible] 5£ F}+eÄ

## 4.1.2 5£ [illegible]

### 4.1.2.1 [illegible]

[illegible] 5£ [illegible]

+e[illegible]FÕ!ž

Ëe+e» 5£ ,[illegible]V08$

G[illegible]56FÕ[illegible]5[illegible]XÞF4[illegible]V"4[illegible]A5¾

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### 4.1.2.2 5£ [illegible]

[illegible] 5£ Ëe+e[illegible]£

[illegible] 5£ +e[illegible] 5£ +e[illegible]5¾ ON}ž

### 4.1.2.3 ®

5£ ® ®

FJNß+5Vh

®® :+eÄNµ/E¿ÁN®X 5£ ,FJNµtFÄO?

0ªD,®µ Ä

5£

Ø 5£ ÞÄ

## 4.2 Ø 5£

Ä 5£ ÈÙÞ 5£ Þ5Ä¼ 5£ Þ5Ö
Ä3-Ç5Ä03 Ä