

IR12000

1		1
2		3
3		4
3.1		4
3.2		4
3.3		5
3.4		5
3.4.1		

IR12000

5.4.3.8	46
6	47
6.1	47
6.2 1	47
6.3 2	49
6.4 3	49
6.5 4	51
6.6 5	51
6.7 6	51
7	53
8 A	56
8.1	56
8.1.1	56

1



I I

	IR12000 V4.00.10 B36	IR12000
IR12000	5	1-1

1-1

IR12000	IR12000-E30
	IR12000-E60
	IR12000-E80
	IR12000-H40
	IR12000-H80

1-2

IR12000-2838-MPFU-A	IR12000-E60 IR12000-E80
IR12000-2838-MPFU-B	IR12000-E60 IR12000-E80
IR12000-MPFU-58-A	IR1200-H40
IR12000-MPU-68E-A	IR12000-H80



IR12000-E30



BOOT

IR12000

IR12000 V4.00.10

*.set

Base Bras Mpls

EPLD BOOT

*.Pkg

BOOT

show install

show install activate

show install committed

Install commit

IR12000 V4.00.10

install add

.set

install activate

install deactivate

install

delete

.pkg

show install

IR12000-H80

IR12000

IR12000-

H80

1-3

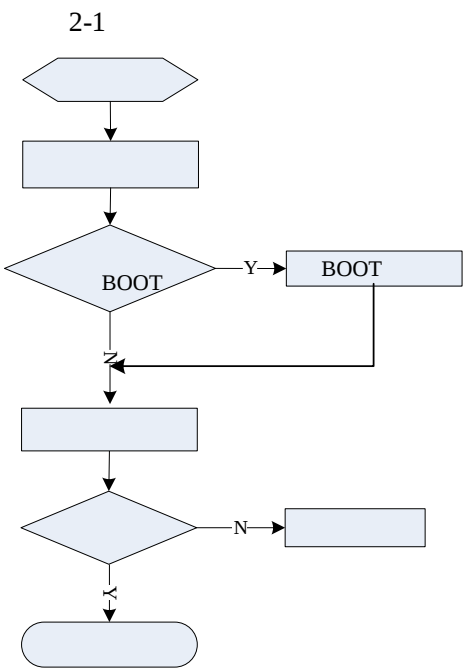
1-3

		/
IR12000V4.00.10R2(1.1.3[52.2])_AXPFUA_bras_rel_B52P2.set		IR12000-MPU-68E-A
IR12000-boot-1.00.20R2(1.1.3).pkg	BOOT pkg	IR12000-H80

2

IR12000

2-1



1

3

2

5

6

20

3

6

15

3

3.1

3.3

1

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•

•

2

•

•

•

FTP/TFTP

•



3.4

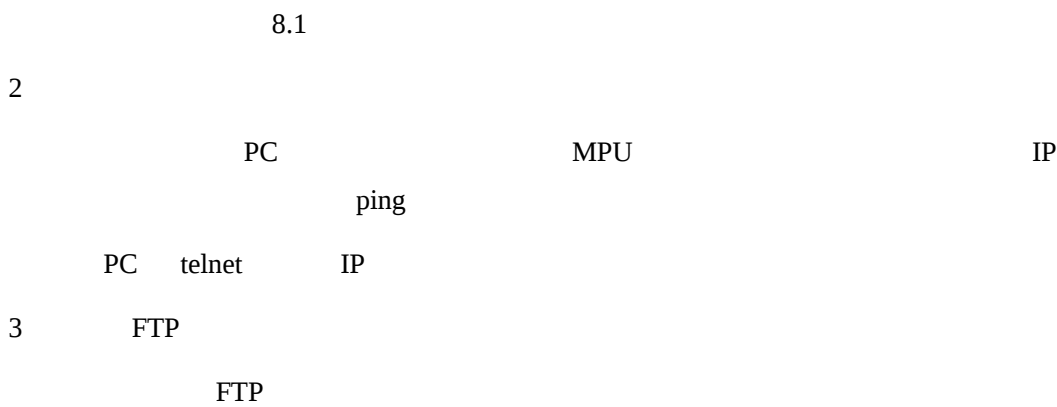
1

PC

115200

8

1



3.4.1

IR12000

IR12000 V4.00.10

1 /sysdisk0

- /sysdisk0/verset *.set
- /sysdisk0/DATA0 startrun.dat

2 /datadisk0

3 /flash

3.4.2

1 inspur#show running-config

2

inspur#write
.Write DB OK!
Building configuration...
.[OK].
inspur#dir /sysdisk0/DATA0
Directory of MPU-10/0: /sysdisk0/DATA0
3106816 KB total (2405152 KB free)

	attribute	size	date	time	name
1	<DIR>	8192	09-10-2018	14:39	.
2	<DIR>	8192	09-10-2018	14:39	..
3	----	62653	09-10-2018	14:39	startrun.dat

inspur#show power

Total power : 79.03 W

Power module 0

Status : online

Power type : AC

Run status : work abnormally (status word 0x3) /* */

Power module 1

Status : online

Power type : AC

Run status : work normally

3

inspur#sho fan

Group 0: online

Fan speed mode: auto

Index	Status	Speed
0	work normally	3/8
1	work normally	3/8
2	work normally	2/8
3	work normally	3/8

4

inspur(config)#sho temperature detail

PCB : Type of board
I2C : Inter integrated circuit
Addr : Address of check point
Status : Status of check point
Minor : Slight alarm value (celsius)
Major : Serious alarm value (celsius)
Fatal : Fatal alarm value (celsius)
Temper : Current temperature (celsius)

[slot 0]

PCB	I2C Addr	Status	Minor	Major	Fatal	Temper
ASGEBB	0 24	Normal	73	84	94	46

[slot 1]

PCB	I2C Addr	Status	Minor	Major	Fatal	Temper
ASGEBA/S	0 24	Normal	62	73	83	32

[slot 2]

PCB	I2C Addr	Status	Minor	Major	Fatal	Temper
ASGEBA/S	0 24	Normal	62	73	83	44

[slot 3]

PCB	I2C Addr	Status	Minor	Major	Fatal	Temper
ASGEBB	0 24	Normal	73	84	94	40

[slot 4]							
PCB	I2C Addr		Status	Minor	Major	Fatal	Temper

AXPFUA	1	4	Normal	75	85	95	64
AXPFUA	1	53	Normal	55	65	70	40
[slot 5]							
PCB	I2C Addr		Status	Minor	Major	Fatal	Temper

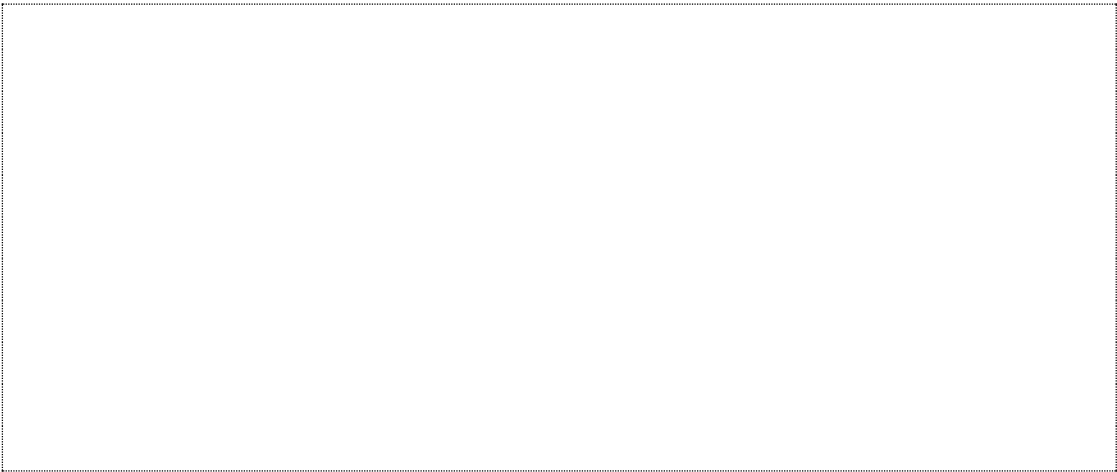
AXPFUA	1	4	Normal	75	85	95	50
AXPFUA	1	53	Normal	55	65	70	36

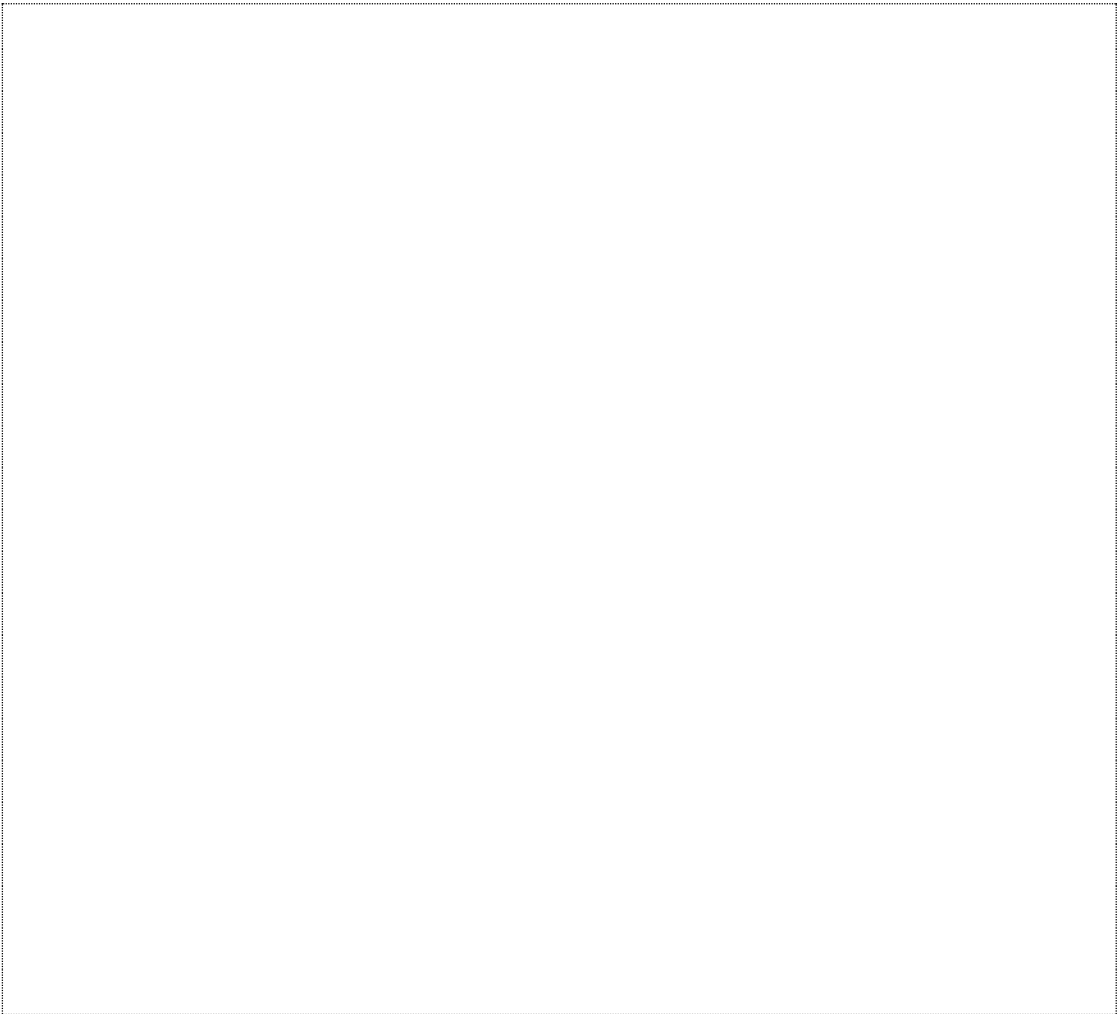
3.5.2

show process

1	MPU	IR12000-H80	10	11
MPU				
IR12000-H80 MPU-10/0 MPU-11/0				
2	PFU	IR12000-H80	8	9
MPU				
IR12000-H80 PFU-8/0 PFU-9/0				
3	PIU	IR12000-H80	0	7
IR12000-H80 PIU-0/0 PIU-1/0 PIU-6/0 PIU-7/0				

show process





3.5.3

3-2

3-2

	show version	& boot
	show running-config	
CPU	show process	
	show power	
	show fan	
	show clock	
	show logging alarm	
	show logfile	
	dir /sysdisk0/verset	
	dir /datadisk0/LOG	
	show ip forwarding route	


```
3.      install delete
           activate                intall deactivate
           install delete          yes/no
           boot
```

☐ 1. General Information Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____	☐ 2. Employment History Employer: _____ Position: _____ Dates: _____ Reason for leaving: _____
☐ 3. Education Institution: _____ Degree: _____ Dates: _____	☐ 4. References Name: _____ Address: _____ Phone: _____

datadisk0

```
1.      dir      datadisk0
```

2. delete delete
yes/no



	“ The package has been activated. ”	install
deactivate		Base\Mpls\Bras
	show install	/sysdisk0/verset
	install delete	

4

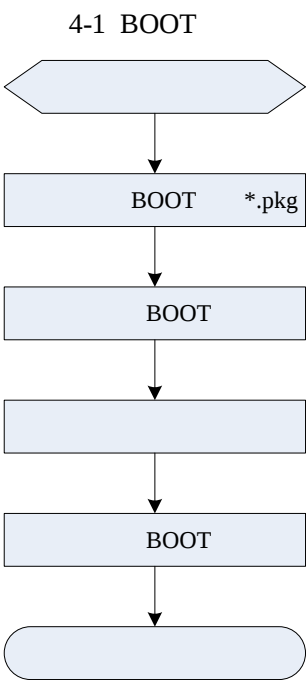
BOOT

4.1 BOOT

4.1.1

IR12000	BOOT	
1	CPU	BOOT
2	BOOT	
3	BOOT	

4.1.2



4.1.3

BOOT

4-2

4-1

4-1 BOOT

1	BOOT *.pkg		
2	BOOT		
3			
4	BOOT		

4-2 BOOT

1	BOOT *.pkg		
2	BOOT		
3			
4	BOOT		

4.1.4 BOOT

4.1.4.1 BOOT

BOOT

BOOTMPUFTPMPU

BOOTMPUversetBOOT

show install



show install active



1.

BOOT

BOOT

Boot-1.1.0

BOOT

show install
2.

boot

4.1.4.2 **BOOT**



BOOT IR12000 AXPFUA BOOT

BOOT

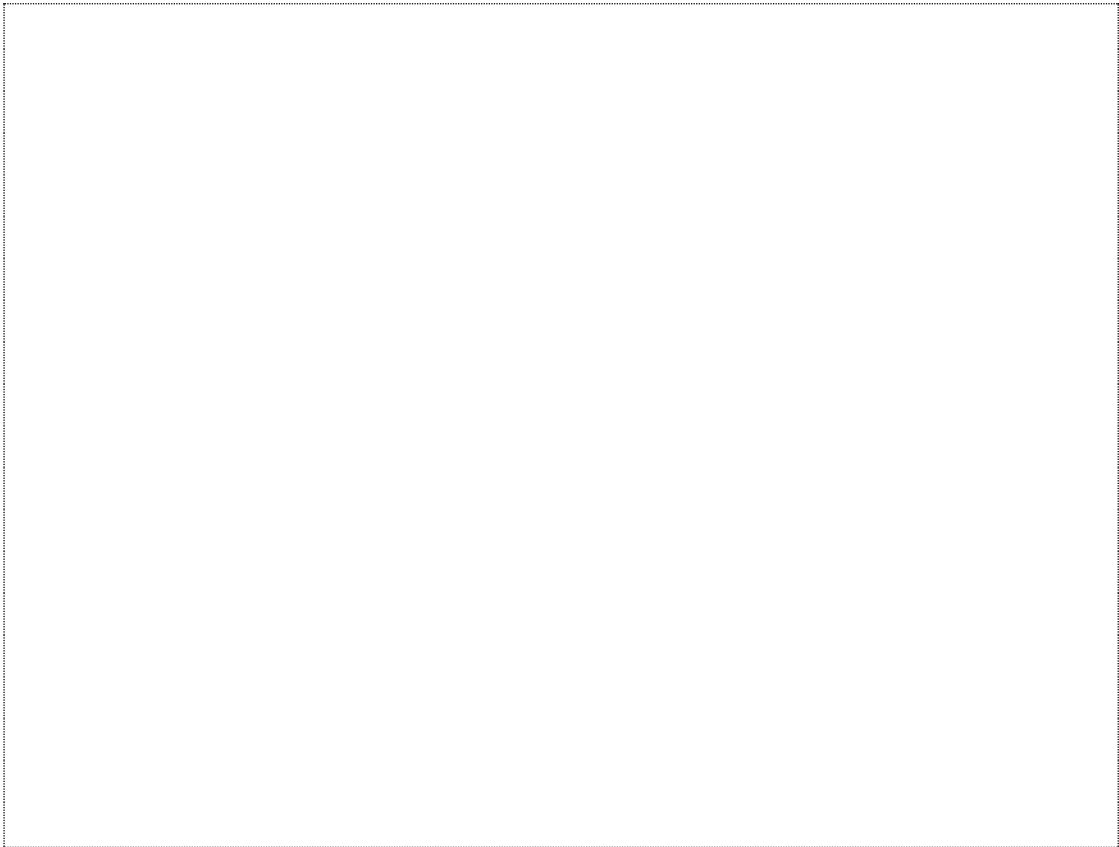
load boot-firmware	MPU-10/0	10	MPU	BOOT
--------------------	----------	----	-----	------



BOOT 2

BOOT	load boot-firmware	-	/0
------	--------------------	---	----

BOOT



BOOT	
BOOT	4-33

4-3 IR12000-H80 余

	IR12000-H80
MPU	10~11
PFU	8~9
PIU	0~7

4.1.4.3 余

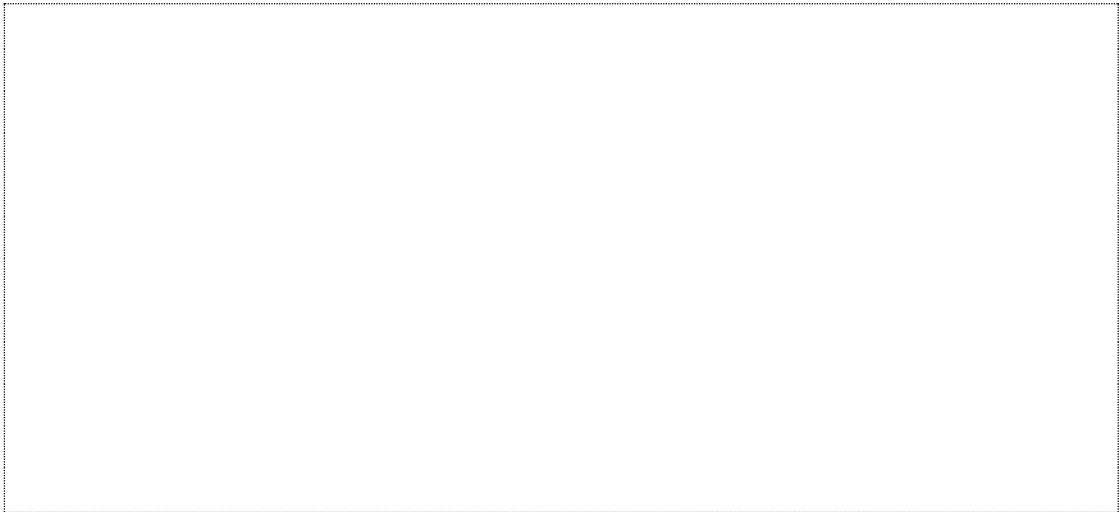


4.1.4.4 BOOT

BOOT BOOT BOOT

BOOT





BOOT	2		
BOOT	synchronize boot-firmware	-	/0

5

5.1

1

2

3

FTP

FTP

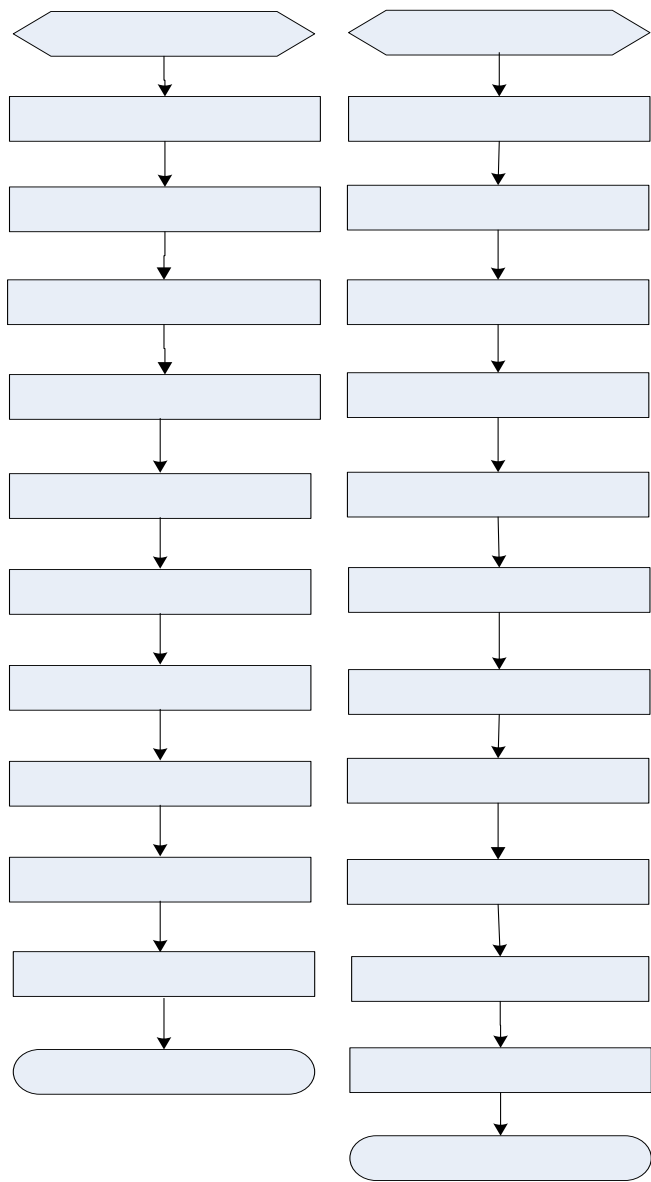
	flowtype	ctm	cps
			cps
IR12000-MPU-68E-A	IR12000-EPIU-08GE		
200kB/s	flowtype		1.5MB/s
ctm	2.2MB/s		flowtype
cps			
cps			

5.3

5.3.1

IR12000V4.00.10 B36

5-1



5.3.2

5-1

5-1

1			
2			
3			

4	ISSU		
5	ISSU		
6	ISSU		
7			
8			
9			
10			
11			
12			
13			

5.3.3

5.3.3.1

5.3.3.2

5.3.3.3

install add

FTP

/sysdisk0/verset

1.
- copy
- datadisk0
2.

install add storage

1

copy

copy

copy :

copy ftp

2

install add storage

USB

install add storage

datadisk0

```
install add
```

FTP

sysdisk0/verset

copy

ftp

inspur(config)#product manage

```
inspur(config)#product inspur
inspur(config-pm)#install
```

add

ftp

```
//inspur:inspur@169.1.61.15/
```

```
.....%Info 40362: Success.
```

**install add**

inspur:inspur

FTP Server

/sysdisk0/verset



2.2M/s

210k/s

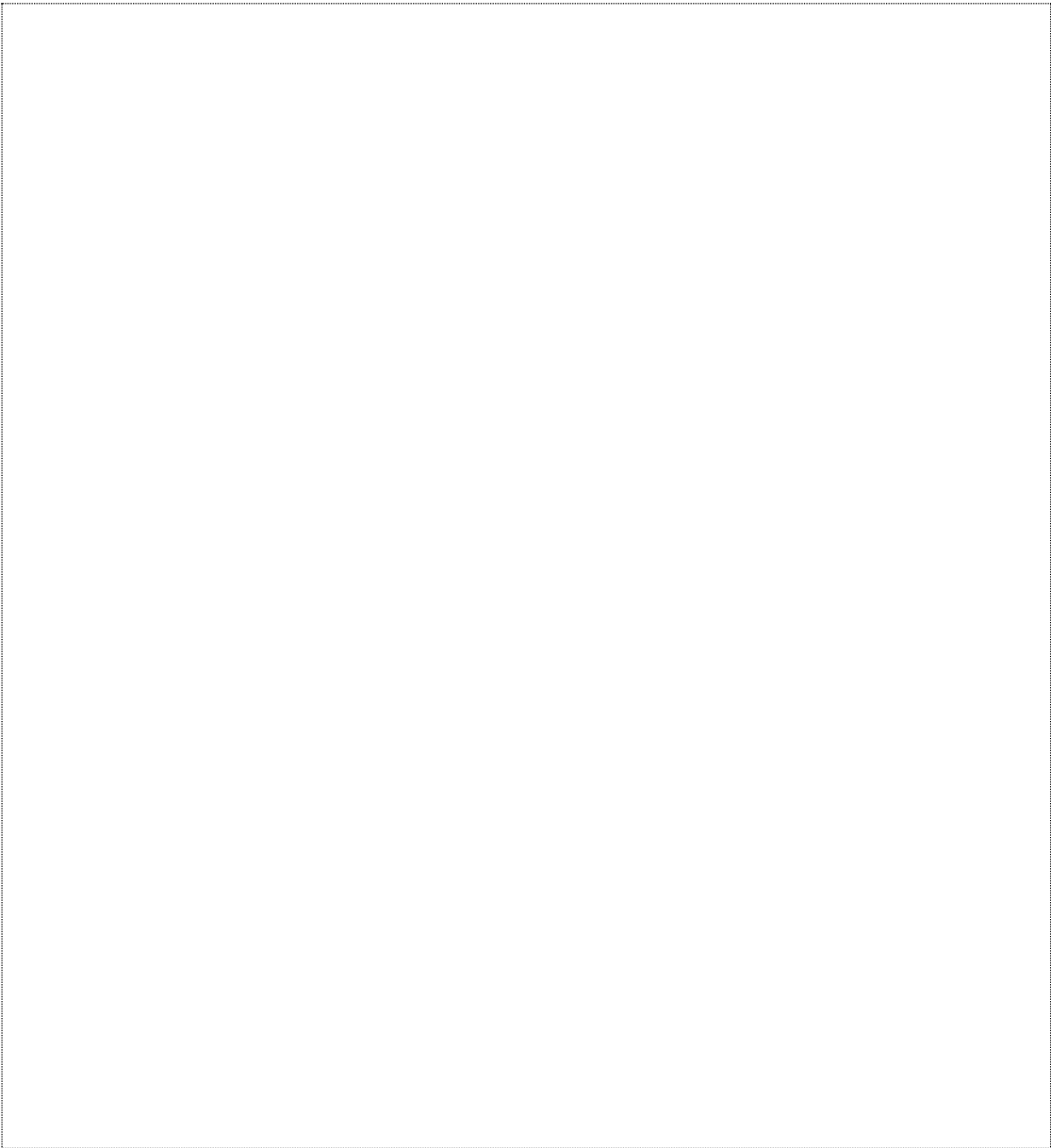
210k/s

cps

dir/sysdisk0/verset

FTP

show install

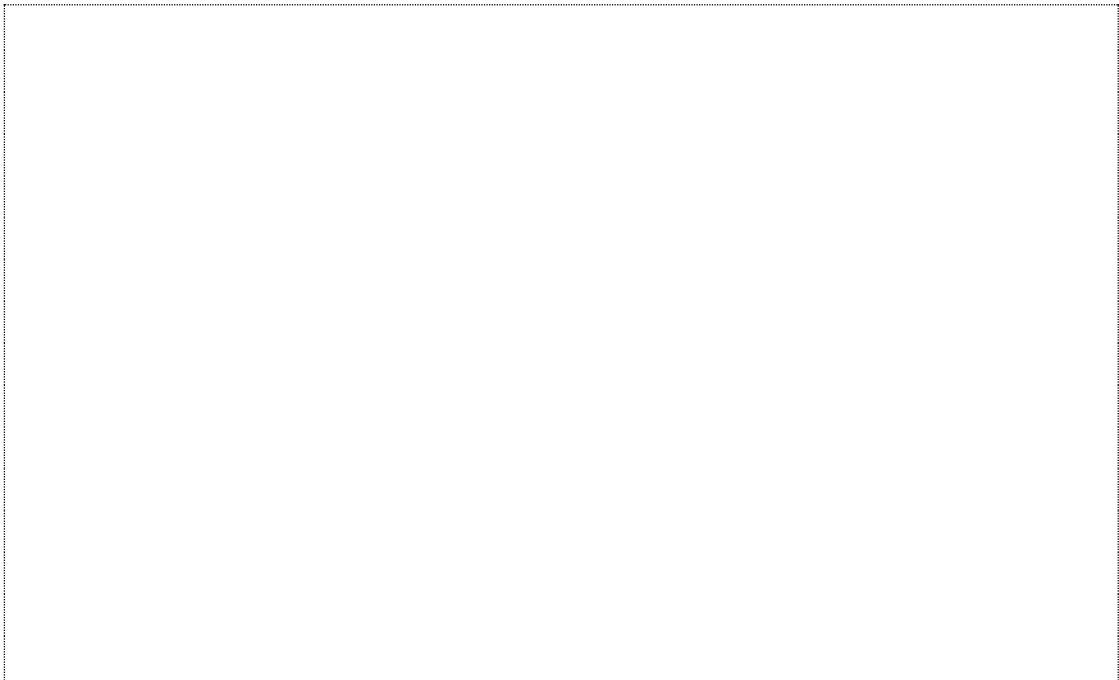


5.3.3.6



5.3.3.9

show synchronization



5.3.3.10

2

5

Use the 'install commit' command in x minute(s) to commit the new version of the software.

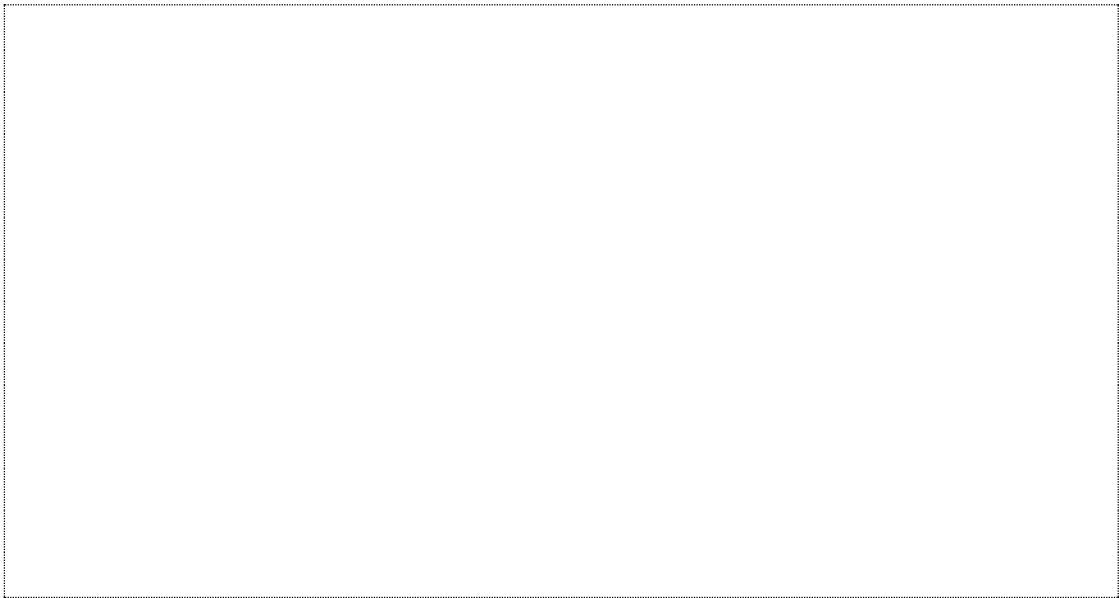
x

x



5.3.3.11

datadisk0



5.3.4

reserve-standby

install recover-stadby

5.3.4.1





5.3.4.2

```
install add
```

FTP

```
/sysdisk0/verset
```

U

1

copy

copy

copy

ftp



2

```
install add storage
```



install add

inspur:inspur

FTP Server

/sysdisk0/verset



210k/s

2.2M/s

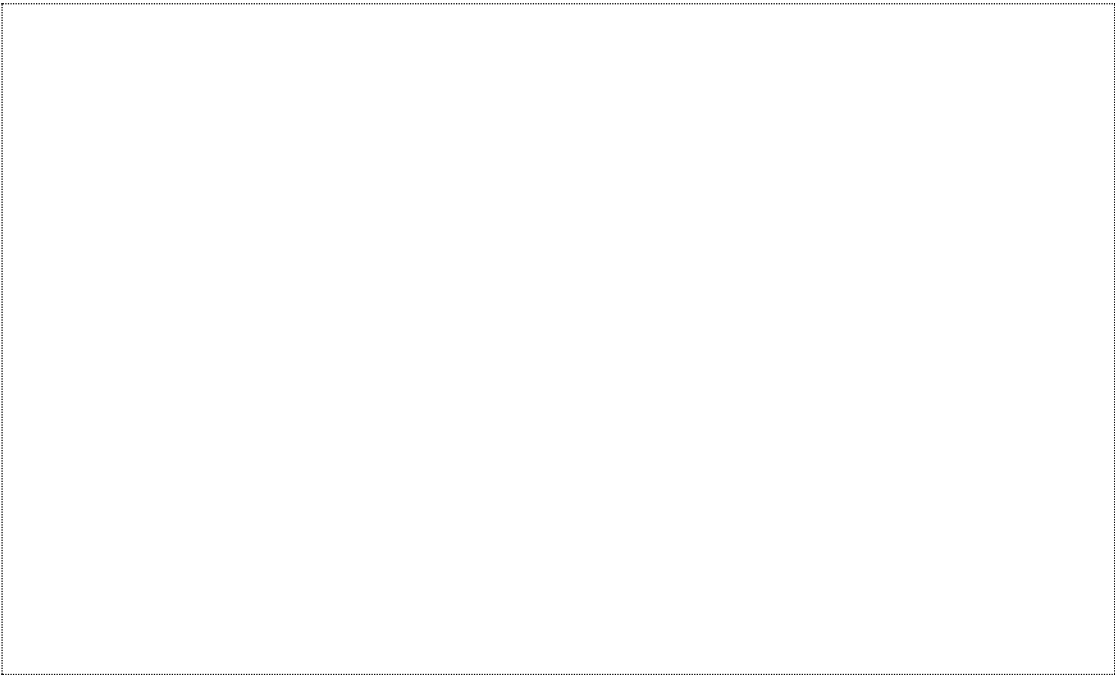
210k/s

cps

dir/sysdisk0/verset

FTP

show install



5.3.4.3

	show install		install
activate <pkg- name> <pkg2-name> <pkg3-name> reserve-standby	5s		yes



inspur(config-pm)#Active-SC(0/5/0) notice
reboot each card.Reboot Active-SC(0/5/0) after notice each card.

install recover-standby



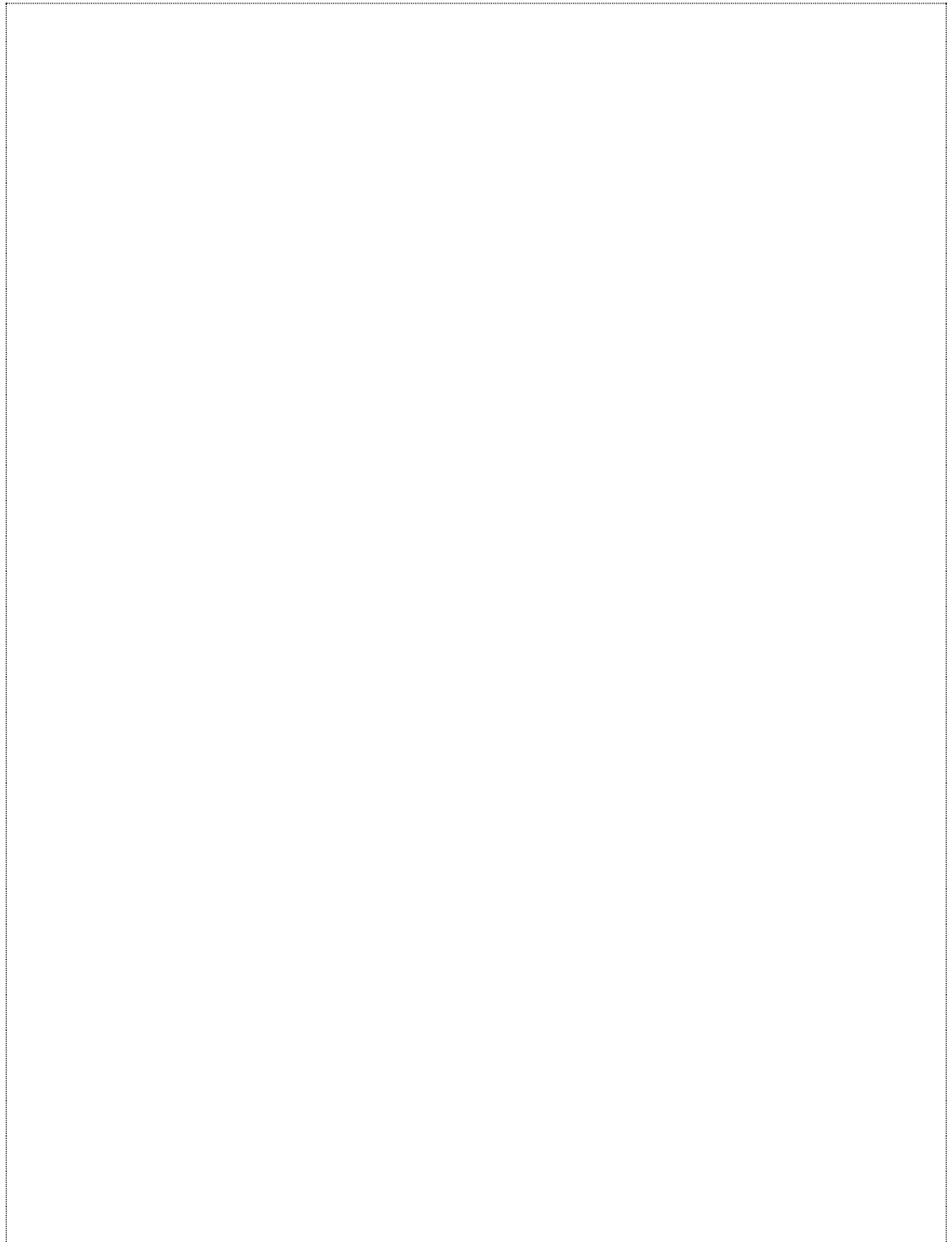
It is executing version file(s) synchronization.

5s	yes	no
----	-----	----

show processor/hardware

5.3.4.4

CPU



3-2

3



20

5.3.4.8

2

5 Use the 'install commit' command in x minute(s) to commit the new version of the software. x x

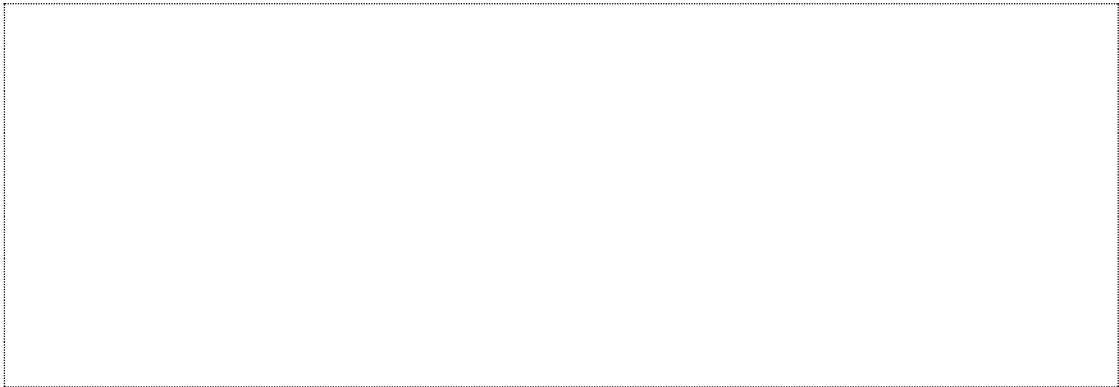
5.3.4.9

install recover-standby

BOOTP

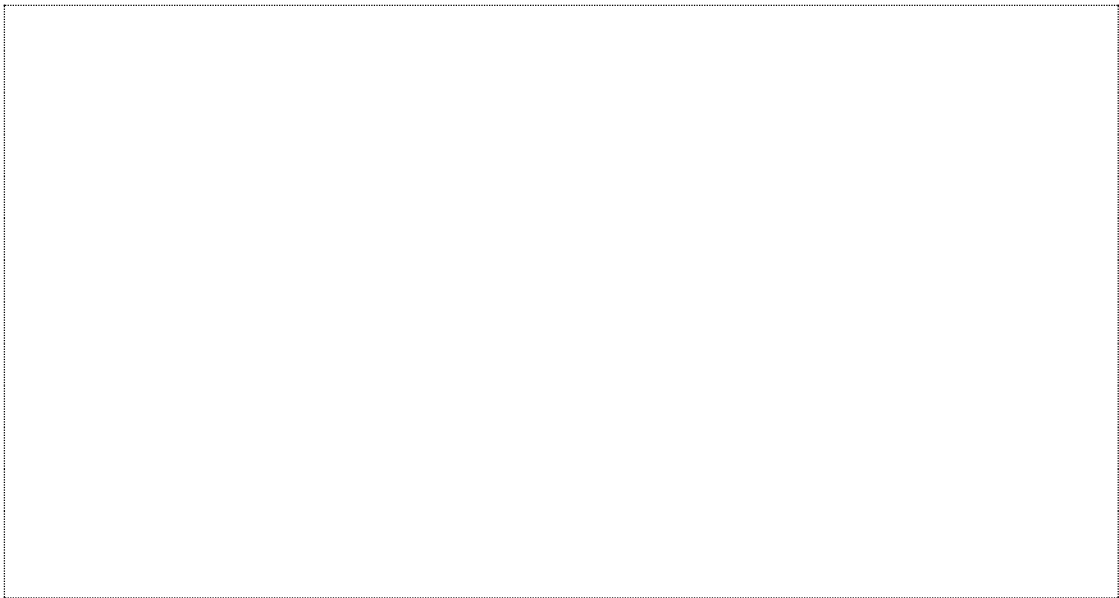
5.3.4.10

show synchronization



5.3.4.11

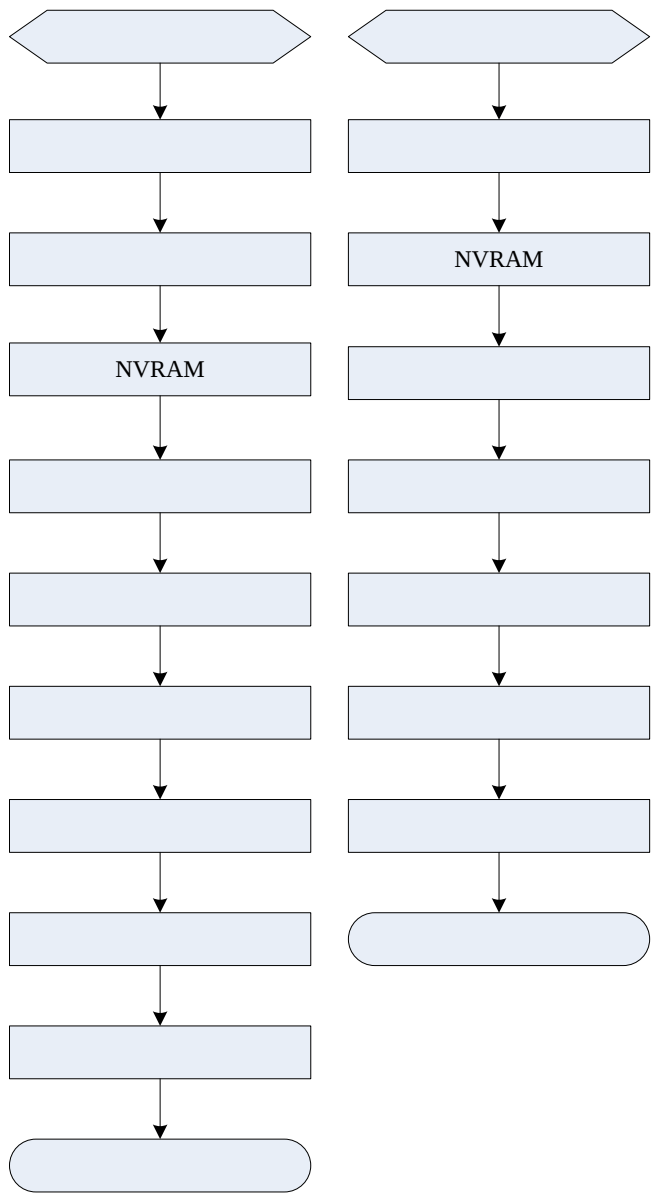
datadisk0



5.4

5.4.1

5-2



5.4.2

5-2

5-2

1			
2			
3	NVRAM		
4			

5			
6			
7			
8			
9			

5.4.3

5.4.3.1



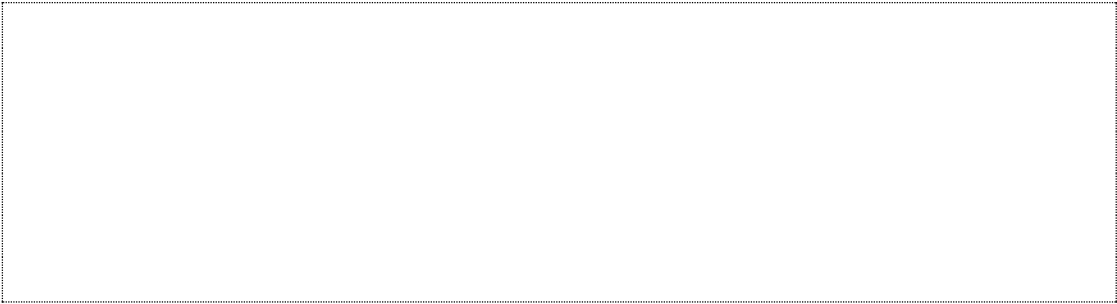
MPU ACT MPU

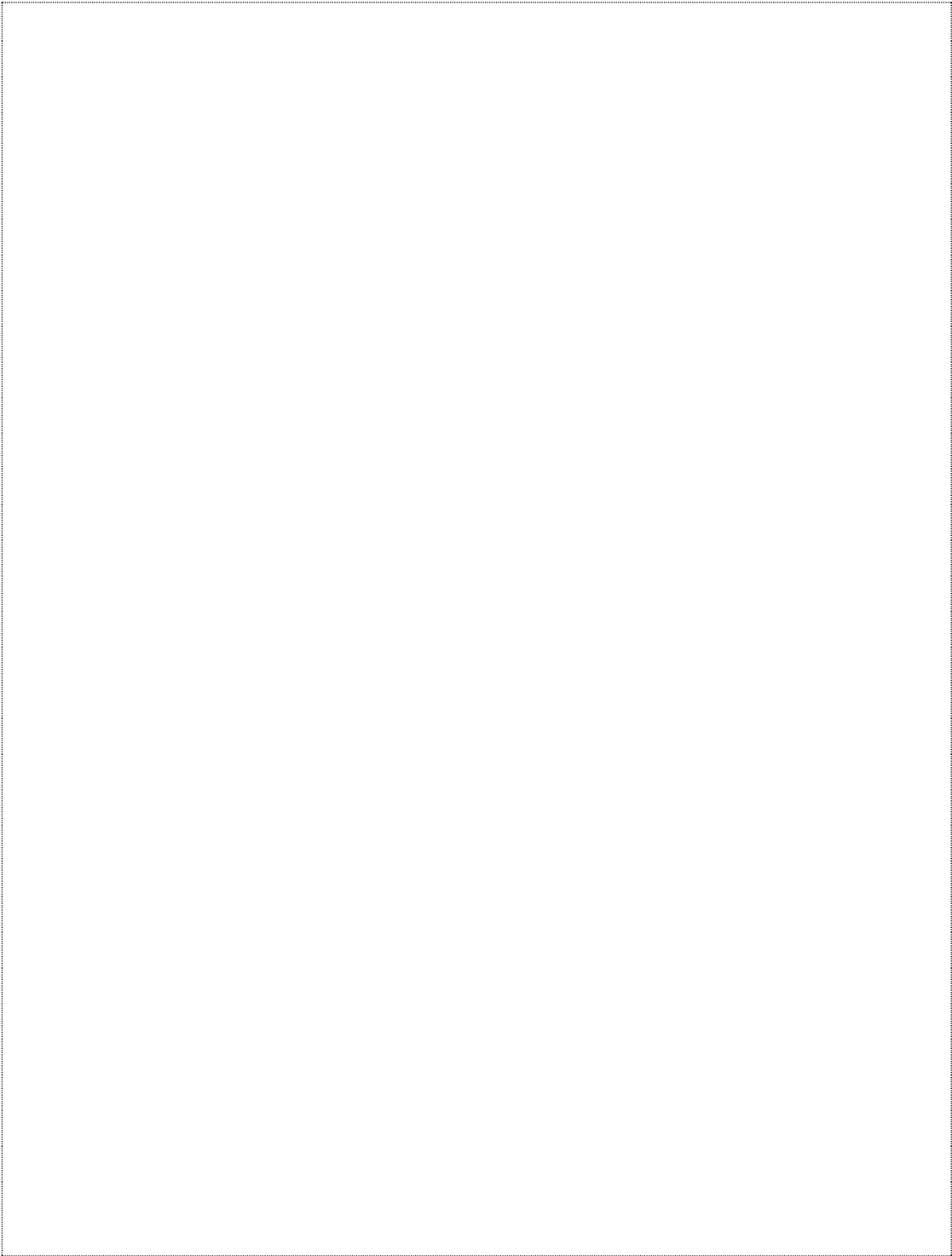
5.4.3.2 NVRAM

NVRAM



NVRAM





5.4.3.5





5.4.3.6

show running-config

5.4.3.7

1

show

2

3-2

3



5.4.3.8

1

alarm

CPU

10

OAM

show processor

run

RST

2



IR12000

2

3

y boot

4

[VBoot]: 1

5

BOOT



Serial Authenticate

(Yy/Nn) y OAM

6

7

6.3 2

1

2

3

4 1

5

write



2

6.4 3

1 install activate





6.5 4

1

2

3

4 1

5

write



2

6.6 5

install commit reload system force

install activate <old_pkg1-name> <old_pkg2-name> <old_pkg3-name> parallel-reload

6.7 6

OAM
OAM reload system force
2

1

2

7

1 Q MPU

A

1 MPU

2 MPU

3 MPU

2 **Q** MPU

A

FTP

FTP

1 RST

2 y boot

3	[VBoot]:	1
---	----------	---

.....

4

[VBoot]:

1

5

BOOT

Base MAC Addr

MAC

2

mac

mac

mac



MAC

MAC

MAC

1

MAC

MAC

2

8

A

业

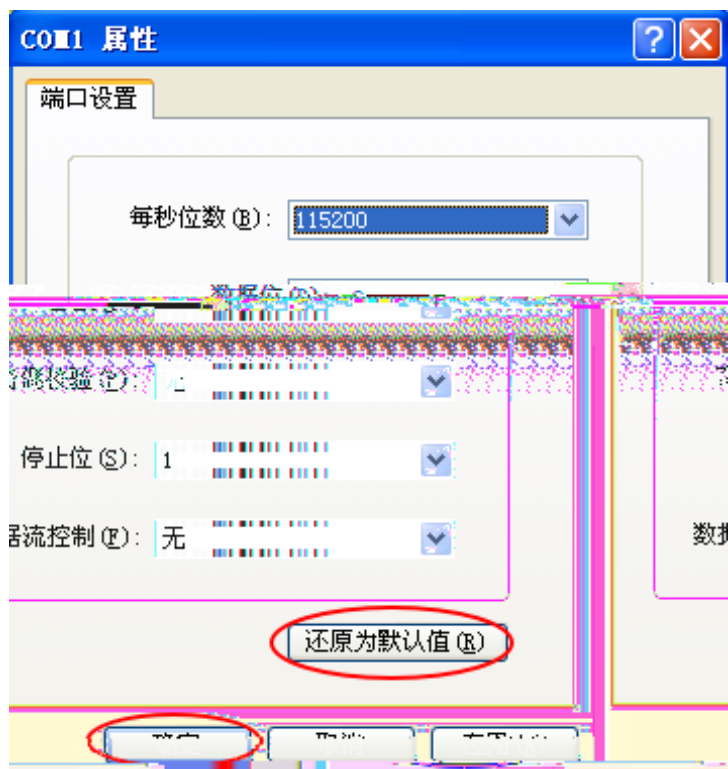
8.1



3 [] < > COM
< > [COM]



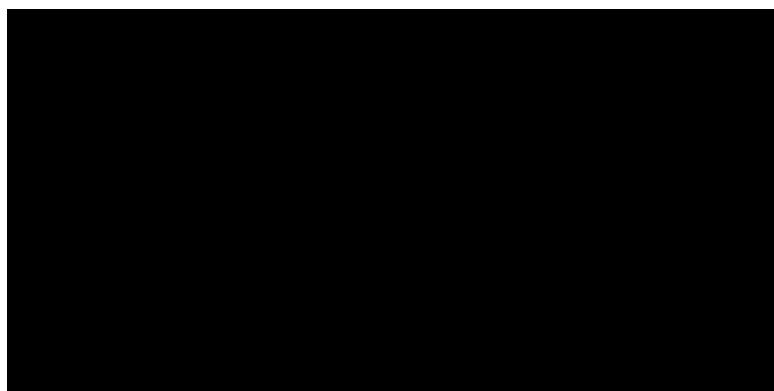
4 [COM] < (R)> <
(B)> < >



5

[(T)]

[(C)...]



[]

< >

