

RG-IS2700G Series Switch Release Notes, RGOS 10.4(3b16)T29 Release(222088)

Release Date: July 16, 2018

Current Release: RGOS 10.4(3b16)T29 Release(222088)

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Basic Information

Table 1 Basic Information of the Current Release

Current Release	RGOS 10.4(3b16)T29 Release(222088)
Previous Release	NA
Applicable Product	IS2706G/IS2712G/IS2712G-DC
Category	Official release

Test Report



test-switch.doc

Hardware Supported

Table 2 Hardware Models and the Supporting Releases

Hardware Model	Version	Description	Release
IS2706G/IS2712G/IS2712G-DC	1.0x	Service module	RGOS 10.4(3b16)T29 Release(222088)



Note The hardware version number is rounded to the first decimal place. The numeral in the second decimal place does not change the supporting release.

Changes

Table 3 shows modified or deleted features and command lines based on the baseline version.

Table 3 Changes to the Baseline Version

Feature	Change Description	Release
	The following service modules are supported: Software customization is supported.	

Resolved Issues

1. Supported the Chinese/English Web UI.
2. Changed the default MTU to 9216 bytes.
3. The bug of BUGID: 6090 has been fixed.
4. On the Chinese Web UI, the description in the network topology diagram on the Quick Configuration page has been changed from English to Chinese.
5. Correct the information displayed on the pop-up window after the quick configuration is finished.



Note See the bug notices for more details.

Open Issues

N/A



Note See the bug notices for more details.

Limitations

N/A

Related Documentation

■ IS2706G/IS2712G/IS2712G-DC Switch Hardware Installation and Reference Guide

This manual introduces the functional and physical features of the IS2706G/IS2712G/IS2712G-DC switch and provides the device installation steps, hardware troubleshooting, module technical specifications, and specifications and usage guidelines for cables and connectors.

■ IS2706G/IS2712G/IS2712G-DC Switch Configuration Guide, RGOS 10.4(3b16)T29

Release(222088)

This manual describes the various network protocols and their implementation principles for the D6148XG series with the detailed configuration examples.

■ IS2706G/IS2712G/IS2712G-DC Switch Command Reference, RGOS 10.4(3b16)T29

Release(222088)

This manual describes the configuration commands related to the various network protocols supported on the IS2706G/IS2712G/IS2712G-DC switch RGOS 10.4(3b16)T29 Release(222088) version in detail, including the command mode, parameter description, usage guide, and configuration examples.

Upgrade Files

Table 4 Latest Upgrade Files

Applicable Product	Upgrade File	File Size	MD5
IS2706G/IS2712G/IS2712G-DC	IS27_10.4(3b16)T29_R222088_install.bin	13,151,552 Bytes	1EE403C60A85C50F5A4973F4 444E26C6

Upgrade Tips

The following are some tips for upgrading the IS2706G/IS2712G/IS2712G-DC Switch RGOS 10.4(3b16)T29 Release(222088):

- During the upgrade, pay attention to the prompt messages. If failures occur, please save the log and contact us for technical assistance.
- During the upgrade, it is recommended you not power off or reset the system, or plug/unplug any module.
- Use the **show version** command to check the firmware after the upgrade.

Upgrade Steps

The procedure of upgrading the IS2706G/IS2712G/IS2712G-DC Switch RGOS 10.4(3b16)T29 Release(222088) is described as follows:

Step 1:

Connect the Console port to a PC running HyperTerminal or similar emulation program. Set baud rate to 9600, data bits to 8, stop bits to 1 and flow control to none.

Step 2:

Connect the switch to the PC with an Ethernet cable. Run the TFTP server on the PC and select the files (such as upgrade files) to be transmitted.

Step 3:

Power up and start the switch. If the switch can enter the Main program, follow Step 4 Upgrade the main program. If the device cannot enter the Uboot program, please contact us for technical assistance.

Step 4:

Upgrade the main program.

[illegible]

```
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!!!!!!!Verify the image ...[ok]

CURRENT PRODUCT INFORMATION :
  PRODUCT ID: 0x20120070
  PRODUCT DESCRIPTION: Ruijie Gigabit Security & Intelligence Access Switch
  (IS2706G) By Ruijie Networks

SUCCESS: UPGRADING OK.

Transmission finished, file length 13151552 bytes.
Ruijie#reload
Proceed with reload? [no]y

00:00:11:38: %SYS-5-RELOAD: The device is reloading due to the execution of
command reload.

System bootstrap ...
Nor Flash ID: 0x0102164D, SIZE: 8388608Bytes
Press Ctrl+B to enter Boot Menu .....
Load Ctrl Program ...

Load CTRL with ECC.....
Executing program, launch at: 0x00010000

Load Ctrl Program ...

Load CTRL with ECC.....

Self decompressing the image :
#####
#####
##### [OK]
Ctrl Version: RGOS 10.4(3b16)T29 Release(218423)
MTD_DRIVER-5-MTD_NAND_FOUND: 1 NAND chips(chip size : 134217728) detected
Press Ctrl+C to enter Ctrl .....

Load program file: [flash:/rgos.bin]

[OK]
```

```
Executing program, launch at: 0x04000000

MTD_DRIVER-5-MTD_NAND_FOUND: 1 NAND chips(chip size : 134217728) detected

Self decompressing the image:
#####
#####
#####
#####
#####
#####
#####
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#####
#####
#####
#####
#####
#####
#####
### [OK]
Self decompressing the image succeed and will jump to 0x00010000...

Ruijie General Operating System Software
Release Software (tm), RGOS 10.4(3b16)T29 Release(222088), Compiled Fri Jul
13 11:38:04 CST 2018 by ngcf70

Copyright (c) 1998-2018s by Ruijie Networks.
All Rights Reserved.
Neither Decompiling Nor Reverse Engineering Shall Be Allowed.

00:00:00:00: %TIPC-6-CORE_START: Activated (version 1.7.7-rc1)
00:00:00:00: %TIPC-6-RANDOM: Tipc random is 197789341
00:00:00:00: %TIPC-6-CORE_SINGLE: Started in single node mode
00:00:00:00: %MTD_DRIVER-5-MTD_NAND_FOUND: 1 NAND chips(chip size :
134217728) detected

System bootstrap ...
Nor Flash ID: 0x0102164D, SIZE: 8388608Bytes
Press Ctrl+B to enter Boot Menu .....
Load Ctrl Program ...

Load CTRL with ECC.....
Executing program, launch at: 0x00010000

Load Ctrl Program ...

Load CTRL with ECC.....
```

```
Self decompressing the image :
#####
#####
##### [OK]
Ctrl Version: RGOS 10.4(3b16)T29 Release(218423)
MTD_DRIVER-5-MTD_NAND_FOUND: 1 NAND chips(chip size : 134217728) detected
Press Ctrl+C to enter Ctrl .....

Load program file: [flash:/rgos.bin]

[OK]

Executing program, launch at: 0x04000000

MTD_DRIVER-5-MTD_NAND_FOUND: 1 NAND chips(chip size : 134217728) detected

Self decompressing the image:
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
### [OK]
Self decompressing the image succeed and will jump to 0x00010000...

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00:00:00:00: %TIPC-6-CORE_START: Activated (version 1.7.7-rc1)
00:00:00:00: %TIPC-6-RANDOM: Tipc random is 197789341
00:00:00:00: %TIPC-6-CORE_SINGLE: Started in single node mode
00:00:00:00: %MTD_DRIVER-5-MTD_NAND_FOUND: 1 NAND chips(chip size :
134217728) detected
```

```
00:00:00:36: %TIPC-4-BEARER_NOT_SUPPORT: Bearer <eth:ssp_tipc> rejected,
not supported in standalone mode
00:00:00:40: %REDUNDANCY-6-INITIALIZING: Initialize as master Supervisor.
00:00:00:40: %REDUNDANCY-6-STM_ON_MASTER: State Machine start up on master
Supervisor.
00:00:00:53: %UPGRADE-5-EXTITEM_INSTALLED: File /ucs_gb.db has been
installed in flash.
00:00:00:53: %UPGRADE-5-EXTITEM_INSTALLED: File /ucs_big5.db has been
installed in flash.
00:00:01:14: %GRTD-6-RUN_BYPASS: Boot-up diagnostic bypassed.
00:00:01:17: %LINEPROTO-5-UPDOWN: Line protocol on Interface VLAN 1, changed
state to up.
00:00:01:18: %LINK-3-UPDOWN: Interface GigabitEthernet 0/2, changed state to
up.
00:00:01:18: %LINEPROTO-5-UPDOWN: Line protocol on Interface
GigabitEthernet 0/2, changed state to up.
00:00:01:21: %SYS-5-WARMSTART: System warmstart.
```

Step 5:

Upgrade the boot program and the ctrl program. Reload the switch , and press Ctrl + C , then we will enter the ctrl mode .

```
Ctrl>upgrade force local -type boot
Upgrading BOOT...
DO NOT POWER OFF!
Erasing device...ee [ok]
Writing flash # [OK - 113,824 bytes]
New software image BOOT installed in flash.
Ctrl>
Ctrl>upgrade force local -type ctrl
Upgrading CTRL...
DO NOT POWER OFF!
Erasing device...eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee [ok]
Writing flash ##### [OK - 1,724,416 bytes]
New software image CTRL installed in flash.
Ctrl>
Ctrl>reload
SYS-5-RESTART: The device is restarting. Reason: Restart the whole system!.

System bootstrap ...
Nor Flash ID: 0x0102164D, SIZE: 8388608Bytes
Press Ctrl+B to enter Boot Menu .....
```

```
Load Ctrl Program ...

Load CTRL with ECC.....
Executing program, launch at: 0x00010000

Load Ctrl Program ...

Load CTRL with ECC.....

Self decompressing the image :
#####
#####
##### [OK]
Ctrl Version: RGOS 10.4(3b16)T29 Release(222088)
MTD_DRIVER-5-MTD_NAND_FOUND: 1 NAND chips(chip size : 134217728) detected
Press Ctrl+C to enter Ctrl .....

Load program file: [flash:/rgos.bin]

[OK]

Executing program, launch at: 0x04000000

MTD_DRIVER-5-MTD_NAND_FOUND: 1 NAND chips(chip size : 134217728) detected

Self decompressing the image:
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
#####
### [OK]
Self decompressing the image succeed and will jump to 0x00010000...

Ruijie General Operating System Software
Release Software (tm), RGOS 10.4(3b16)T29 Release(222088), Compiled Fri Jul
13 11:38:04 CST 2018 by ngcf70

Copyright (c) 1998-2018s by Ruijie Networks.
```

All Rights Reserved.

Neither Decompiling Nor Reverse Engineering Shall Be Allowed.

00:00:00:00: %TIPC-6-CORE_START: Activated (version 1.7.7-rc1)

00:00:00:00: %TIPC-6-RANDOM: Tipc random is 197789341

00:00:00:00: %TIPC-6-CORE_SINGLE: Started in single node mode

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

System bootstrap ...

Nor Flash ID: 0x0102164D, SIZE: 8388608Bytes

Press Ctrl+B to enter Boot Menu

Load Ctrl Program ...

Load CTRL with ECC.....

Executing program, launch at: 0x00010000

Load Ctrl Program ...

Load CTRL with ECC.....

Self decompressing the image :

[OK]

Ctrl Version: RGOS 10.4(3b16)T29 Release(222088)

MTD_DRIVER-5-MTD_NAND_FOUND: 1 NAND chips(chip size : 134217728) detected

Press Ctrl+C to enter Ctrl

Load program file: [flash:/rgos.bin]

[OK]

Executing program, launch at: 0x04000000

MTD_DRIVER-5-MTD_NAND_FOUND: 1 NAND chips(chip size : 134217728) detected

Self decompressing the image:

#####

```
#####
#####
#####
#####
### [OK]
Self decompressing the image succeed and will jump to 0x00010000...

Ruijie General Operating System Software
Release Software (tm), RGOS 10.4(3b16)T29 Release(222088), Compiled Fri Jul
13 11:38:04 CST 2018 by ngcf70

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00:00:00:00: %TIPC-6-CORE_START: Activated (version 1.7.7-rc1)
00:00:00:00: %TIPC-6-RANDOM: Tipc random is 197789341
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00:00:00:00: %MTD_DRIVER-5-MTD_NAND_FOUND: 1 NAND chips(chip size :
134217728) detected
00:00:00:36: %TIPC-4-BEARER_NOT_SUPPORT: Bearer <eth:ssp_tipc> rejected,
not supported in standalone mode
00:00:00:41: %REDUNDANCY-6-INITIALIZING: Initialize as master Supervisor.
00:00:00:41: %REDUNDANCY-6-STM_ON_MASTER: State Machine start up on master
Supervisor.
00:00:00:53: %UPGRADE-5-EXTITEM_INSTALLED: File /ucs_gb.db has been
installed in flash.
00:00:00:59: %UPGRADE-5-EXTITEM_INSTALLED: File /ucs_big5.db has been
installed in flash.
00:00:01:15: %GRTD-6-RUN_BYPASS: Boot-up diagnostic bypassed.

Ruijie>00:00:01:18: %LINEPROTO-5-UPDOWN: Line protocol on Interface VLAN 1,
changed state to up.
00:00:01:20: %LINK-3-UPDOWN: Interface GigabitEthernet 0/2, changed state to
up.
00:00:01:20: %LINEPROTO-5-UPDOWN: Line protocol on Interface
GigabitEthernet 0/2, changed state to up.
00:00:01:22: %SYS-5-WARMSTART: System warmstart.
```

Step 6:

Use the **show version** command to verify whether the software version is the latest.

```
Ruijie#show version
```

```
System description      : Ruijie Gigabit Security & Intelligence Access
Switch (IS2706G) By Ruijie Networks
System start time       : 1970-01-01 0:0:0
System uptime           : 0:0:2:16
System hardware version : 1.00
System software version : RGOS 10.4(3b16)T29 Release(222088)
System BOOT version     : 10.4(3b16)T29 Release(222088)
System CTRL version     : 10.4(3b16)T29 Release(222088)
System serial number    : 1545DFADFA545
Device information:
  Device-1:
    Hardware version : 1.00
    Software version : RGOS 10.4(3b16)T29 Release(222088)
    BOOT version     : 10.4(3b16)T29 Release(222088)
    CTRL version     : 10.4(3b16)T29 Release(222088)
    Serial number    : 1545DFADFA545
```

The Main Module programs are upgraded to RGOS 10.4(3b16)T29 Release(222088). The upgrading is successful.