

3CBLSG48 Baseline Smart 48 Port Gig Switch  
(JE004A HP Baseline 48-port 1Gbps Smart Switch)

Version 1.0.11 Firmware Release Note

Date	Firmware Release Version	Notes
2010/01/08	01.00.11	Bug fix display "timeout draining packets (xxx cells remain)" error messages on console, and block ports. Packets can't forward.
2009/03/20	01.00.10	Bug fix system crash after input user name with Chinese or Cyrillic characters.

## Firmware V01.00.11 release

### Upgrade firmware<01.00.11> by http in fail safe mode

**Note: Please upgrade the boot loader to v00.00.06 first, if the firmware version is newer than v00.00.09.**

1. [Step 1] Press Ctrl-C on console to enter fail safe mode during system startup (POST)
2. [Step 2] Plug in a network port before issue ifconfig command.
3. [Step 3] Issue command 'ifconfig eth0 -addr=<device IP address> -mask=<netmask>' to set the device IP address and netmask.  
Ex: ifconfig eth0 -addr=192.192.1.47 -mask=255.255.255.0
4. [Step 4] Issue command 'ping <PC IP address>' to check the connection.  
Ex: ping 192.192.1.45
5. [Step 5] Upgrade firmware by web.

### Upgrade firmware<01.00.11> by http through web

### Upgrade firmware<01.00.11> by tftp through web

#### Bug fixes:

- 1 System:  
Display "timeout draining packets (xxx cells remain)" error messages on console, and block ports. Packets can't forward.

#### Added features:

#### Missing features:

#### Known Bugs:

1. BugID#391/383:  
RFC2889 back pressure test fail, packet loss 50% in IXIA ScriptMate.  
According to the Broadcom's explanation, it is a chipset limitation. In the conclusion of Broadcom's document 5621X-AN100-R, Recommendation for BCM5621X MMU Setting, it describes  
**"The MMU is highly flexible to support different sets of traffic conditions. However, no single MMU setting can support all test cases. A trade-off is necessary in terms of identifying a particular MMU setting that meets the most test scenarios depending on the tests that are most important".**  
In order to support jumbo frame, a trade-off is that back pressure test only supports up to 17 ports (pass all packet size, 64 ~ 1518).
2. BugID#392/384:  
RFC2889 many to many test fail on packets size form 256~1518 in IXIA ScriptMate.  
It is the same root cause to known bug#1. In order to support jumbo frame, a trade-off is that many to many test only supports up to 20 ports (pass all packet size, 64 ~ 1518).

3. BugID#458/448:  
Unit reboots with Exception 4 error. 3Com notice there was cold start traps coming for Switch 48 ports. 3Com notice these traps sent from 2 different units. It looks like units reboots after certain time unexpectedly.  
It can't be reproduced both in 3Com and ASUS side.
4. BugID#461/451:  
Unit rebooted with exception error 3 this happen after upgrade to v29.  
The exception message is:  
\*\*Exception 3: EPC=8007C260, Cause=0000000C VAddr=00000000  
3COM Baseline Switch 2948-SFP Plus  
Boot Version:00.00.13 Build Date: Fri Jun 8 14:22:54 CST 2007  
It can't be reproduced both in 3Com and ASUS side.
5. SNMP trap:  
Authentication failure trap are sent from switch but the 802.1x setting of all ports are force authorized.  
Comment: Still in investigation

## **Firmware V01.00.10 release**

### **Upgrade firmware<01.00.10> by http in fail safe mode**

**Note: Please upgrade the boot loader to v00.00.06 first, if the firmware version is newer than v00.00.09.**

6. [Step 1] Press Ctrl-C on console to enter fail safe mode during system startup (POST)
7. [Step 2] Plug in a network port before issue ifconfig command.
8. [Step 3] Issue command 'ifconfig eth0 -addr=<device IP address> -mask=<netmask>' to set the device IP address and netmask.  
Ex: ifconfig eth0 -addr=192.192.1.47 -mask=255.255.255.0
9. [Step 4] Issue command 'ping <PC IP address>' to check the connection.  
Ex: ping 192.192.1.45
10. [Step 5] Upgrade firmware by web.

### **Upgrade firmware<01.00.10> by http through web**

### **Upgrade firmware<01.00.10> by tftp through web**

### **Bug fixes:**

- 2 System:

System crash after input user name with Chinese or Cyrillic characters.

**Added features:**

**Missing features:**

**Known Bugs:**

6. BugID#391/383:

RFC2889 back pressure test fail, packet loss 50% in IXIA ScriptMate.

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It is the same root cause to known bug#1. In order to support jumbo frame, a trade-off is that many to many test only supports up to 20 ports (pass all packet size, 64 ~ 1518).

8. BugID#458/448:

Unit reboots with Exception 4 error. 3Com notice there was cold start traps coming for Switch 48 ports. 3Com notice these traps sent from 2 different units. It looks like units reboots after certain time unexpectedly.

It can't be reproduced both in 3Com and ASUS side.

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Unit rebooted with exception error 3 this happen after upgrade to v29.

The exception message is:

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3COM Baseline Switch 2948-SFP Plus

Boot Version:00.00.13 Build Date: Fri Jun 8 14:22:54 CST 2007

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10. SNMP trap:

Authentication failure trap are sent from switch but the 802.1x setting of all ports are force authorized.

Comment: Still in investigation