Patch Release Note

Patch SB251-01
For SwitchBlade 4000 Series Switches and AT-9800 Series Switches

Introduction

This patch release note lists the issues addressed and enhancements made in patch SB251-01 for Software Release 2.5.1 on existing models of SwitchBlade 4000 Series Switches. Patch file details are listed in Table 1.

Table 1: Patch file details for Patch SB251-01.

Base Software Release File	sb-251.rez
Patch Release Date	15-Jan-2003
Compressed Patch File Name	sb251-01.paz
Compressed Patch File Size	71828 bytes

This release note should be read in conjunction with the following documents:

■ SwitchBlade Documentation Set for Software Release 2.5.1 (Document Number C613-03057-00 Rev A) and Release Note for Software Release 2.5.1 for SwitchBlade 4000 Switches available on the Documentation and Tools CD-ROM packaged with your switch, or from *www.alliedtelesyn.co.nz/ documentation/documentation.html*.

⚠ *WARNING: Using a patch for a different model or software release may cause unpredictable results, including disruption to the network. Information in this release note is subject to change without notice and does not represent a commitment on the part of Allied Telesyn International. While every effort has been made to ensure that the information contained within this document and the features and changes described are accurate, Allied Telesyn International can not accept any type of liability for errors in, or omissions arising from the use of this information.*

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Features in SB251-01

PCR: 02555   **Module: SWI**   **Network affecting: No**

Layer 2 filtering is now working correctly.

PCR: 02561   **Module: SWI**   **Network affecting: No**

32 bit counters now only show 8 bit contents.

PCR: 02563   **Module: SWI**   **Network affecting: No**

The IPM (Layer 3 Multicasting table) now updates correctly to add or delete the ingress linecard to control blade ports, and the control blade to egress linecard ports when updating forwarding.

PCR: 02568   **Module: CORE**   **Network affecting: No**

The ENABLE SYSTEM SECURITY_MODE command was enabling the system security mode, but after the switch was restarted the system security mode was disabled again. Also, when NVS was re-initialised because, for example a battery had been exhausted, the system could not make an SNMP trap. These issues have been resolved.

PCR: 02576   **Module: SWI**   **Network affecting: No**

When the DISABLE SWITCH PORT FLOW=PAUSE command was executed on a port or ports, they would still appear to be enabled at a higher level. This issue has been resolved.

PCR: 02396   **Module: DHCP**   **Network affecting: No**

DHCP RENEW request messages are now unicast (as defined in the RFC), not broadcast.

PCR: 02575   **Module: SWI**   **Network affecting: No**

VLAN tagged multicast packets were incorrectly being sent over untagged VLAN interfaces. This issue has been resolved.

PCR: 02574   **Module: DVMRP**   **Network affecting: No**

Some change actions, and the resending of prune messages were not operating correctly. This issue has been resolved.

PCR: 02582   **Module: SWI**   **Network affecting: No**

Pause flow control is now disabled by default on all ports. This improves performance of the switch when it is congested.

PCR: 02587   **Module: OSPF**   **Network affecting: No**

When OSPF was enabled on startup, an OSPF interface would sometimes stay in the DOWN state. This issue has been resolved.

PCR: 03001   **Module: SWI CLASSIFIER**   **Network affecting: No**

The following parameters have been changed CREATE CLASSIFIER, SET CLASSIFIER and SHOW CLASSIFIER commands:

- The MACTYPE parameter has been changed to MACTYPE={L2UCAST | L2MCAST | L2BCAST | ANY}. This resolves an error with internal hardware tables.

- The number of user-specified protocols in the PROTOCOL parameter has been increased from three to seven.

- The minimum value of the IPXDADDRESS parameter has been decreased from 10000000 to 00000001.

PCR: 03006   **Module: SWI**   **Network affecting: No**

An issue which sometimes resulted in a broadcast storm within the internal ports on the SwitchBlade, a reduction in bandwidth, and a loss of pinging has been resolved.

PCR: 3008   **Module: SWI**   **Network affecting: No**

An issue which caused pings to fail when a control card was inserted in the left hand slot to act as a slave, has been resolved.

PCR: 03014   **Module: IPG, SWI**   **Network affecting: No**

Support has been added to allow for multicasting to any number of overlapping VLANs up to the maximum number of multicast forwarding entries.

PCR: 03018   **Module: SWI**   **Network affecting: No**

An issue with pings failing after network host routes disappeared from the switch due to an IP hashing error has been resolved.

PCR: 03020   **Module: SWI**   **Network affecting: No**

An issue with an interrupt occuring when waiting on the MDIO which caused the MDIO to read or write incorrect information has been resolved.

PCR: 03021   **Module: SWI**   **Network affecting: No**

Ping would sometimes not work correctly after a 48 line card was extracted, and after a restart reboot. This issue has been resolved.

Availability

Patches can be downloaded from the Software Updates area of the Allied Telesyn web site at *www.alliedtelesyn.co.nz/support/updates/patches.html*. A licence or password is not required to use a patch.