IBM 8260 Multiprotocol Intelligent Switching Hub Ethernet 24-Port 10BASE-T Module Release Note

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This release note applies to the IBM 8260 Ethernet 24-Port 10BASE-T Module (Model Number E24PS-6) at software Version 1.04 of the operational code and Version 1.02 of the boot code.

This release note contains the following sections:

- Fixed in This Version
- Statistics Issues
- Ethernet Security Card Support
- Repeater Statistics
- Enhancements
- Documentation Corrections.

Store this release note in the release note section of your 8260 Reference Library.

Fixed in This Version

In previous versions of the 24-Port 10BASE-T Module operational code, the autopolarity function did not work properly on all module ports. At Version 1.04 of the operational code, autopolarity works on all module ports.

Statistics Issues

The following statistics issues apply to Version 1.04 of the 24-Port 10BASE-T Module software. Review these issues before you configure the module to collect statistics.

- Removing an 8260 24-Port 10BASE-T Module from a hub may cause inaccuracies in Ethernet statistics counters.
- The 8260 24-Port 10BASE-T Module repeater MIB statistics are not always accurate.

Ethernet Security Card Support

To use the Ethernet Security Card (E-SEC) with the 8260 Ethernet 24-Port 10BASE-T Module, you must update the code for the 24-Port 10BASE-T Module to Version 1.01 code or later.

Repeater Statistics

At Version 2.10 of the 8260 Distributed Management Module (DMM) it is now possible to monitor repeater statistics from a 24-Port 10BASE-T Module with Version 1.04 of the operational code without using an E-MAC Card. Events that you can monitor include:

- ❑ Short events
- ❑ Runts
- ❑ Collisions
- ❑ Late events
- ❑ Very long events
- ❑ Data rate mismatches
- ❑ Autopartitions.

Enhancements

The section describes the following enhancements at Version 1.04 of the 24-Port 10BASE-T operational code:

- ❑ Hot Swap Performance
- ❑ Port Partition Support
- ❑ DMM Download

Hot Swap Performance

Performing a hot swap of the 24-Port 10BASE-T Module using Version 1.04 of the operational code no longer causes random alignment errors when the 24-Port 10BASE-T Module is reinserted into the hub.

Port Partition Support

At Version 1.04 of the 24-Port 10BASE-T Module operational code, ports now partition automatically if:

- ❑ Ports receive jabber for more than 6.5 milliseconds
- ❑ 63 consecutive collisions occur
- ❑ One long collision (1024 bit times or greater) occurs.

DMM Download

At Version 1.02 of the 24-Port 10BASE-T Module boot code, it is now possible for the 24-Port 10BASE-T Module to transmit traffic to the backplane during a download from a DMM.

Documentation Corrections

This section of the release note applies *only* to 8260 Ethernet 24-Port 10BASE-T Module documentation. The information in this section will be included in the next revision of the IBM documents listed in this section.

This section contains the following documentation corrections:

- ❑ Monitoring Isolated Networks
- ❑ DIP Switch Settings.

Monitoring Isolated Networks

On page 3-18 of the 8260 *Ethernet 24-Port 10BASE-T Module User's Guide*, the first sentence incorrectly implies that you can monitor isolated networks with an E-MAC Card.

It is not possible to monitor isolated networks on the 24-Port 10BASE-T Module with an E-MAC card.

DIP Switch Settings

This section applies to the following IBM 8260 24-Port 10BASE-T Module documents:

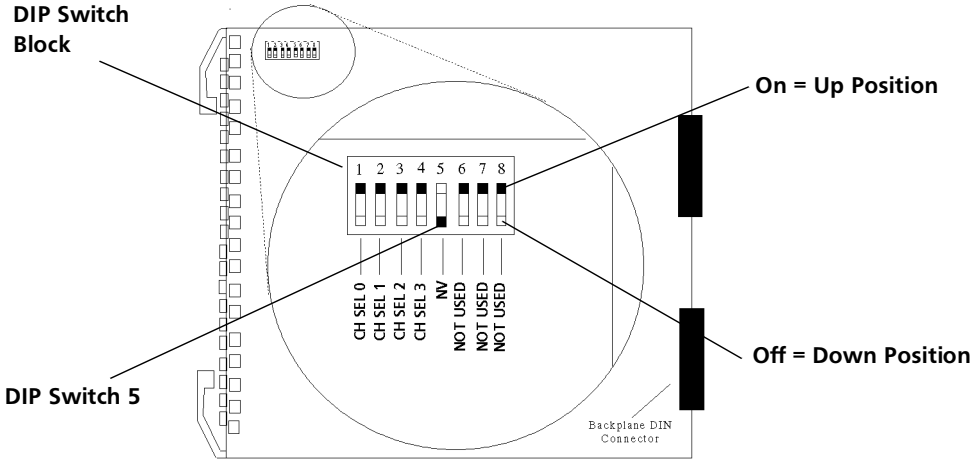
- ❑ 8260 Ethernet 24-Port 10BASE-T Module User's Guide (Document Number SA33-0260-0)
- ❑ 8260 Ethernet 24-Port 10BASE-T Module Reference Card (Document Number SA33-0277-0).

The documents previously listed contain incorrect DIP switch information. Please use the DIP switch information in this release note to set DIP switches.

8260 Ethernet 24-Port 10BASE-T Module User's Guide

Figure 3-1 on page 3-6 of the IBM 8260 *Ethernet 24-Port 10BASE-T Module User's Guide* displays an incorrect DIP switch illustration. Refer to the following figure and note when setting DIP switches.

Figure 1. 24-Port Module and DIP Switch Location



Note: **DIP Switch 5** must be set to the positions listed below when configuring network assignments using:

– NVRAM in OFF (down) position
– DIP switch in ON (Up) position

8260 Ethernet 24-Port 10BASE-T Module Reference Card

The DIP switch table in the *IBM 8260 Ethernet 24-Port 10BASE-T Module Reference Card* lists an incorrect setting for Network Selection 4, Switch 3. The correct setting for Network Selection 4, Switch 3 is **OFF**. Use the following table when setting DIP switches.

Switch Settings	Network Selection								
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**Isolated Network**
Switch 1	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON
Switch 2	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON
Switch 3	ON	ON	ON	OFF	OFF	OFF	OFF	ON	ON
Switch 4	ON	ON	ON	ON	ON	ON	ON	OFF	ON

Notes: Module DIP Switch 5 enables users to switch between NVRAM and DIP switch-controlled configuration. Set DIP Switch 5 to OFF when using NVRAM to configure network assignments. DIP switches 6, 7, and 8 are not used.