EISA Token Ring Release Notes

HP 9000 Networking

Manufacturing Part Number: J2165-90046
E1201

United States

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EISA Token Ring Release Notes for HP-UX 11.0

The following information is for EISA Token Ring LAN adapters on HP-UX version 11.00.

What's in this Version

The following describes the EISA Token Ring products for the D-Class/R-Class servers and the B, C, and J-Class and series 700 workstations with an EISA backplane.

Fixes

This version of the product contains fixes for recent defects and defects listed in PHNE_17942.

Known Problems and Workarounds

None

Compatibility Information and Installation Requirements

Software Requirements

- HP-UX 11.0 operating system

The multicast feature of the EISA Token Ring product depends on DLPI patch PHNE_25395; however, the product is installable and functions without this patch.

Hardware Requirements

- D-Class/R-Class servers and the B, C, and J-Class and series 700 workstations with an EISA backplane
- CD-ROM drive

Memory and Disk Space Requirements

- 16 MB memory
- 500 KB free disk space

Install/Upgrade With System Up or Down

- Install the EISA Token Ring card with the system down.
- One reboot is required for installation and configuration.

Installing and Upgrading EISA Token Ring

The EISA Token Ring card is customer-installable and configurable on D-Class/R-Class servers and B, C, and J-Class and Series 700 workstations with an EISA back plane.

Patches and Fixes for this Version (B.11.00.07)

Fixes:

- **EISA Token Ring causes a system panic at regular intervals.**

  This problem is fixed by correcting cache flush/purge size.

- **EISA Token Ring fails to detect a cable disconnect.**

  The driver code is not sending linkdown and linkup events during cable disconnect/reconnect.

  The driver code has been modified to send linkup and linkdown events in the cable disconnect/reconnect path.

- **The lanadmin reset causes a system panic with the cable disconnected.**

  The driver lock is being held before sending linkup event in the reset path.

  The driver code has been modified to release a driver lock before sending a linkup event in the reset path.

- **DLPI multicast enable/disable fails on EISA Token Ring due to the problem in the implementation of the DLPI multicast.**

  The driver code has been modified to support both DLPI multicast enable/disable.

- **IP multicast does not work under certain conditions because it is not properly implemented on EISA Token Ring.**

  The driver code has been modified to support IP multicast enable/disable.

Patch PHNE_17942:

- **lanadmin reports card down when it's not.**

  A code change in the EISA Token Ring initialization function has fixed this defect.

- **Connecting the EISA Token Ring card causes a system crash.**

  The driver software has been changed to check for physically contiguous space returned by MALLOC. MALLOC is re-tried up to 100 times to prevent a system hang. If this is exceeded, the card is kept in the down state.

- **'snmpwalk' shows inconsistent values.**

  The driver software has been modified to call get_nmid() only once per instance.

- **When an EISA Token Ring card is used with other Token Ring cards supporting**

4500 MTU size, the network may hang.

The maximum MTU size for EISA Token Ring has been increased to 4500. The default MTU is now set to 4170. The user may increase this up to 4500 using the `lanadmin` command, if desired.

- **SAM gives an error when configuring the EISA Token Ring card.**

  The initialization script has been modified to use the correct syntax for the shell command.

- **The "swverify(1M)" command will try to verify control scripts such as "configure", "verify", "postinstall" and "checkinstall" for ownership and permissions. Since these are control scripts, "swverify(1M)" should not perform this check on them.**

  This defect has been fixed.