

FDDI/9000 PCI Adapter Release Notes for HP-UX 10.20

HP 9000 Networking



**Manufacturing Part Number: J3626-90025
E0900**

United States

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3000 Hanover Street
Palo Alto, California 94304
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What's in this Version

The following pages describe the HP FDDI/9000 PCI products A3739A and A3739B for A-Class servers and B, C and J-Class workstations.

NOTE

There is also a version of this software that runs on the HP-UX 11.0 operating system. It is designed to support PCI-based A-Class, L-Class, N-Class and V-Class servers as well as B-Class, C-Class and J-Class workstations.

Benefits

HP PCI FDDI/9000 is a high-performance FDDI networking solution for HP A-Class servers and B, C and J-Class workstations running the HP-UX 10.20 operating system. HP PCI FDDI/9000 provides the physical and data-link services as defined by the ANSI X3T9.5 specifications for FDDI and is supported over the TCP/IP network protocol stack.

HP PCI FDDI/9000 supports ANSI specifications for high-performance FDDI networking using fiber optic media via a dual-attach connection. The connectors are SC duplex-style keyed connectors. The card supports dual homing, MP Scalability, SMT 7.3, DLPI, SAM, and Optical-bypass relay.

Fixes

This release includes the fixes from the previous release. See the section, "Patches and Fixes in this Version" for more information.

Known Problems and Workarounds

None

Compatibility Information and Installation Requirements

Software Requirements

- HP-UX 10.20 operating system for A-Class servers and B, C and J-Class workstations

Hardware Requirements

- A-Class server running HP-UX 10.20
- B, C or J-Class workstation running HP-UX 10.20
NOTE: A3739B does not support workstations prior to B1000, C3000, J5000, etc. (e.g. B180L workstations are not supported)
- CD-ROM drive
- Fiber optic cable(s) terminated with SC connectors

Memory and Disk Space Requirements

- 16 MB memory
- 700 KB free disk space

Install/Upgrade With System UP or Down

- Install the FDDI LAN PCI adapter with the system down
- One reboot is required for installation and configuration

Installing and Upgrading HP FDDI/9000 PCI

The HP FDDI PCI card is customer-installable and customer-configurable on A-Class servers and B, C, and J-Class workstations.

Patches and Fixes for this Version

The following are the fixes included in this version. Fixes one through five are new for this release. For more information about which AR or patch release contains which fix, see Table 1-1 below.

1. A system with the FDDI PCI product installed (from the June 2000 application release) may panic with a 'data memory protection fault' when an application running sustained and heavy loop-back traffic over the FDDI PCI interface is closed. The loop-back packets have a non-SNAP destination Service Access Point (SAP), i.e. a destination SAP that is not equal to 0xAA.
2. The driver has been enhanced to support LAN Monitor.
3. Enhancements to support the "Clear Statistics" option of the *lanadmin* command have been added.
4. A broadcast storm problem, which occurred when two subnets were on the same physical LAN, has been fixed.
5. Support to communicate link up/down events to upper layers has been added.
6. Connection oriented (DLPI T2) failure problem has been fixed. This requires the following LAN cumulative patches:
 - For the 700 model: PHNE_21215
 - For the 800 model: PHNE_21216or subsequent patches to be installed.
7. Support for A-Class servers has been added.
8. Provided `subsystem_id` and `subsystem_vendor_id` check support for the new universal card which will replace the current card.
9. Corrected spinlock usage to avoid a potential hang.
10. Added support for loopback outbound promiscuous.
11. Provided man page support which was lacking in the B.10.20.01 and B.10.20.03 releases.
12. Fixed a rare case of memory leak.
13. Shortened the period of holding a spinlock during heavy outbound

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traffic.

14. Added support for an unbound promiscuous stream, as well as any number of bound promiscuous streams. This requires the LAN cumulative patch PHNE_18173 (700 model) / PHNE_18924 (800 model), or subsequent patches, to be installed.

15. Fixed a defect where NFS transfer could hang.

Table 1-1 Fixes Implemented

Patch/Fix Number	Released in this AR	Released in this Patch
1	September 2000	PHNE_20875
2	June 2000	PHNE_20875
3	June 2000	PHNE_20875
4	June 2000	PHNE_20875
5	June 2000	PHNE_20875
6	June 2000	PHNE_20875
7	March 2000	PHNE_20875
8	December 1999	PHNE_20875
9	December 1999	PHNE_19541
10	December 1999	PHNE_18735
11	December 1999	PHNE_18735
12	December 1999	PHNE_18735
13	December 1999	PHNE_18735
14	June 1999	n/a
15	December 1998	PHNE_16361

In the above table, both AR and Patch Releases are cumulative.