SmartSwitch 9000
9F120-08 / 9F122-12 / 9F125-08
Local Management Appendix

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9F120-08 / 9F122-12 / 9F125-08 Module Specific Information

Introduction

This appendix contains local management information that is specific to the 9F120-08, 9F122-12 and 9F125-08 MicroLAN modules.

Default Interface Codes

The Default Interface field on the General Configuration Screen allows you to enter a number (one through three). Each number represents a default interface for the selected module. The table below lists the numbers you can enter, each number's corresponding interface, and a brief description of that interface. The default for this field is NONE, meaning no default interface selected.

Table 1. 9F12x-xx MicroLAN Module Default Interface Codes

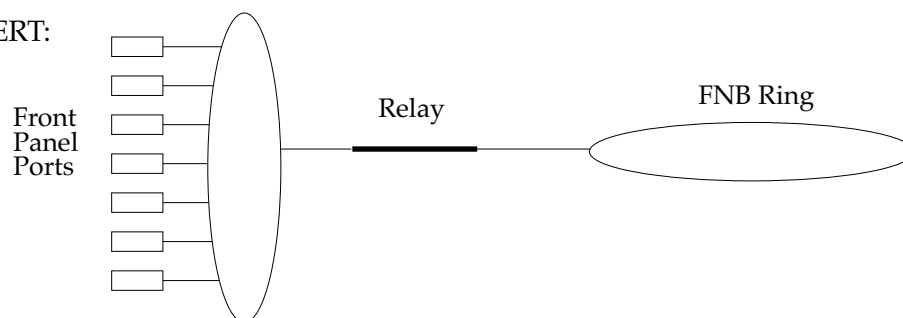| Number	Interface	Description
1	SMB-1	1 mbps System Management Bus
2	SMB-10	10 mbps System Management Bus
3	FNB	Flexible Network Bus (dual attached)

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FNB Resource Configuration Codes

All of the MicroLAN Modules described in this appendix physically attach to the FNB-1 and the FNB-2 on the SmartSwitch 9000 backplane. By default, the module inserts into four rings (the primary and secondary rings of the FNB-1 and the FNB-2). The FNB Resource Configuration Screen allows you to customize this configuration to your particular needs.
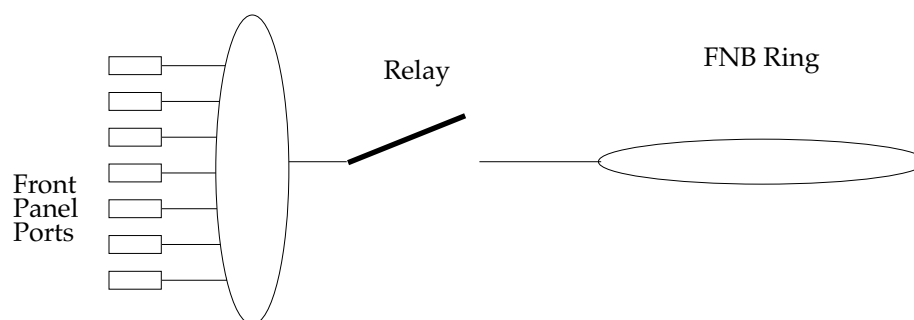
The FNB Resource Configuration Screen allows you to:

• Select the rings (primary or secondary) of each FNB to which the module will attach

• Determine whether the module will insert into those rings or bypass them

• Select the ring where the MAC will reside

The terms INSERT and BYPASS refer to relays that are located on the module. INSERT causes a relay to connect the module's front panel ports to the selected ring. BYPASS causes a relay to disconnect the module's front panel ports from the selected ring.

INSERT:

Front
Panel
Ports

Relay

FNB Ring

BYPASS:

Relay

FNB Ring

Front
Panel
Ports

The FNB Resource Configuration Screen lists all possible connections a module can support on the FNB, displays the current connection, and allows you to change the connection. Table 2 lists and describes the FDDI Connections from which you can select.

Table 2. 9F12x-xx MicroLAN Module FNB Resource Configuration Codes

Configuration ID	FDDI Connections	Description
1	FNB 1 Pri. (MAC) Byp. , FNB 2 Pri. (No MAC) Byp.	The module is attached, but not inserted, to the primary ring on the FNB-1. The module is attached, but not inserted, to the primary ring on the FNB-2. The MAC resides on FNB-1.
2	FNB 1 Pri. (MAC) Byp. , FNB 2 Pri. (No MAC) Ins.	The module is attached to the FNB-1 primary ring and the FNB-2 primary ring. The switch that inserts the module into the FNB-1 is turned off. The switch that inserts the module into the FNB-2 is turned on. The MAC resides on FNB-1.
3	FNB 1 Pri. (MAC) Ins. , FNB 2 Pri. (No MAC) Byp.	The module is attached to the FNB-1 primary ring and the FNB-2 primary ring. The switch that inserts the module into the FNB-1 is turned on. The switch that inserts the module into the FNB-2 is turned off. The MAC resides on FNB-1.
4	FNB 1 Pri. (MAC) Ins. , FNB 2 Pri. (No MAC) Ins.	The module is attached to the FNB-1 primary ring and the FNB-2 primary ring. The switch that inserts the module into the FNB-1 is turned on. The switch that inserts the module into the FNB-2 is turned on. The MAC resides on FNB-1.
5	FNB 1 Pri. (No MAC) Byp. , FNB 2 Pri. (MAC) Byp.	The module is attached to the FNB-1 primary ring and the FNB-2 primary ring. The switch that inserts the module into the FNB-1 is turned off. The switch that inserts the module into the FNB-2 is turned off. The MAC resides on FNB-2.
6	FNB 1 Pri. (No MAC) Byp. , FNB 2 Pri. (MAC) Ins.	The module is attached to the FNB-1 primary ring and the FNB-2 primary ring. The switch that inserts the module into the FNB-1 is turned off. The switch that inserts the module into the FNB-2 is turned on. The MAC resides on FNB-2.

Table 2. 9F12x-xx MicroLAN Module FNB Resource Configuration Codes (Continued)

Configuration ID	FDDI Connections	Description
7	FNB 1 Pri. (No MAC) Ins. , FNB 2 Pri. (MAC) Byp.	The module is attached to the FNB-1 primary ring and the FNB-2 primary ring. The switch that inserts the module into the FNB-1 is turned on. The switch that inserts the module into the FNB-2 is turned off. The MAC resides on FNB-2.
8	FNB 1 Pri. (No MAC) Ins. , FNB 2 Pri. (MAC) Ins.	The module is attached to the FNB-1 primary ring and the FNB-2 primary ring. The switch that inserts the module into the FNB-1 is turned on. The switch that inserts the module into the FNB-2 is turned on. The MAC resides on FNB-2.
9	FNB 1 Pri. (MAC) Byp. , FNB 2 Sec. (No MAC) Byp.	The module is attached to the FNB-1 primary ring and the FNB-2 secondary ring. The switch that inserts the module into the FNB-1 is turned off. The switch that inserts the module into the FNB-2 is turned off. The MAC resides on FNB-1.
10	FNB 1 Pri. (MAC) Byp. , FNB 2 Sec. (No MAC) Ins.	The module is attached to the FNB-1 primary ring and the FNB-2 secondary ring. The switch that inserts the module into the FNB-1 is turned off. The switch that inserts the module into the FNB-2 is turned on. The MAC resides on FNB-1.
11	FNB 1 Pri. (MAC) Ins. , FNB 2 Sec. (No MAC) Byp.	The module is attached to the FNB-1 primary ring and the FNB-2 secondary ring. The switch that inserts the module into the FNB-1 is turned on. The switch that inserts the module into the FNB-2 is turned off. The MAC resides on FNB-1.
12	FNB 1 Pri. (MAC) Ins. , FNB 2 Sec. (No MAC) Ins.	The module is attached to the FNB-1 primary ring and the FNB-2 secondary ring. The switch that inserts the module into the FNB-1 is turned on. The switch that inserts the module into the FNB-2 is turned on. The MAC resides on FNB-1.

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Table 2. 9F12x-xx MicroLAN Module FNB Resource Configuration Codes (Continued)

Configuration ID	FDDI Connections	Description
13	FNB 1 Pri. (No MAC) Byp. , FNB 2 Sec. (MAC) Byp.	The module is attached to the FNB-1 primary ring and the FNB-2 secondary ring. The switch that inserts the module into the FNB-1 is turned off. The switch that inserts the module into the FNB-2 is turned off. The MAC resides on FNB-2.
14	FNB 1 Pri. (No MAC) Byp. , FNB 2 Sec. (MAC) Ins.	The module is attached to the FNB-1 primary ring and the FNB-2 secondary ring. The switch that inserts the module into the FNB-1 is turned off. The switch that inserts the module into the FNB-2 is turned on. The MAC resides on FNB-2.
15	FNB 1 Pri. (No MAC) Ins. , FNB 2 Sec. (MAC) Byp.	The module is attached to the FNB-1 primary ring and the FNB-2 secondary ring. The switch that inserts the module into the FNB-1 is turned on. The switch that inserts the module into the FNB-2 is turned off. The MAC resides on FNB-2.
16	FNB 1 Pri. (No MAC) Ins. , FNB 2 Sec. (MAC) Ins.	The module is attached to the FNB-1 primary ring and the FNB-2 secondary ring. The switch that inserts the module into the FNB-1 is turned on. The switch that inserts the module into the FNB-2 is turned on. The MAC resides on FNB-2.
17	FNB 1 Sec. (MAC) Byp. , FNB 2 Pri. (No MAC) Byp.	The module is attached to the FNB-1 secondary ring and the FNB-2 primary ring. The switch that inserts the module into the FNB-1 is turned off. The switch that inserts the module into the FNB-2 is turned off. The MAC resides on FNB-1.
18	FNB 1 Sec. (MAC) Byp. , FNB 2 Pri. (No MAC) Ins.	The module is attached to the FNB-1 secondary ring and the FNB-2 primary ring. The switch that inserts the module into the FNB-1 is turned off. The switch that inserts the module into the FNB-2 is turned on. The MAC resides on FNB-1.

Table 2. 9F12x-xx MicroLAN Module FNB Resource Configuration Codes (Continued)

Configuration ID	FDDI Connections	Description
19	FNB 1 Sec. (MAC) Ins. , FNB 2 Pri. (No MAC) Byp.	The module is attached to the FNB-1 secondary ring and the FNB-2 primary ring. The switch that inserts the module into the FNB-1 is turned on. The switch that inserts the module into the FNB-2 is turned off. The MAC resides on FNB-1.
20	FNB 1 Sec. (MAC) Ins. , FNB 2 Pri. (No MAC) Ins.	The module is attached to the FNB-1 secondary ring and the FNB-2 primary ring. The switch that inserts the module into the FNB-1 is turned on. The switch that inserts the module into the FNB-2 is turned on. The MAC resides on FNB-1.
21	FNB 1 Sec. (No MAC) Byp. , FNB 2 Pri. (MAC) Byp.	The module is attached to the FNB-1 secondary ring and the FNB-2 primary ring. The switch that inserts the module into the FNB-1 is turned off. The switch that inserts the module into the FNB-2 is turned off. The MAC resides on FNB-2.
22	FNB 1 Sec. (No MAC) Byp. , FNB 2 Pri. (MAC) Ins.	The module is attached to the FNB-1 secondary ring and the FNB-2 primary ring. The switch that inserts the module into the FNB-1 is turned off. The switch that inserts the module into the FNB-2 is turned on. The MAC resides on FNB-2.
23	FNB 1 Sec. (No MAC) Ins. , FNB 2 Pri. (MAC) Byp.	The module is attached to the FNB-1 secondary ring and the FNB-2 primary ring. The switch that inserts the module into the FNB-1 is turned on. The switch that inserts the module into the FNB-2 is turned off. The MAC resides on FNB-2.
24	FNB 1 Sec. (No MAC) Ins. , FNB 2 Pri. (MAC) Ins.	The module is attached to the FNB-1 secondary ring and the FNB-2 primary ring. The switch that inserts the module into the FNB-1 is turned on. The switch that inserts the module into the FNB-2 is turned on. The MAC resides on FNB-2.

Table 2. 9F12x-xx MicroLAN Module FNB Resource Configuration Codes (Continued)

Configuration ID	FDDI Connections	Description
25	FNB 1 Sec. (MAC) Byp. , FNB 2 Sec. (No MAC) Byp.	The module is attached to the FNB-1 secondary ring and the FNB-2 secondary ring. The switch that inserts the module into the FNB-1 is turned off. The switch that inserts the module into the FNB-2 is turned off. The MAC resides on FNB-1.
26	FNB 1 Sec. (MAC) Byp. , FNB 2 Sec. (No MAC) Ins.	The module is attached to the FNB-1 secondary ring and the FNB-2 secondary ring. The switch that inserts the module into the FNB-1 is turned off. The switch that inserts the module into the FNB-2 is turned on. The MAC resides on FNB-1.
27	FNB 1 Sec. (MAC) Ins. , FNB 2 Sec. (No MAC) Byp.	The module is attached to the FNB-1 secondary ring and the FNB-2 secondary ring. The switch that inserts the module into the FNB-1 is turned on. The switch that inserts the module into the FNB-2 is turned off. The MAC resides on FNB-1.
28	FNB 1 Sec. (MAC) Ins. , FNB 2 Sec. (No MAC) Ins.	The module is attached to the FNB-1 secondary ring and the FNB-2 secondary ring. The switch that inserts the module into the FNB-1 is turned on. The switch that inserts the module into the FNB-2 is turned on. The MAC resides on FNB-1.
29	FNB 1 Sec. (No MAC) Byp. , FNB 2 Sec. (MAC) Byp.	The module is attached to the FNB-1 secondary ring and the FNB-2 secondary ring. The switch that inserts the module into the FNB-1 is turned off. The switch that inserts the module into the FNB-2 is turned off. The MAC resides on FNB-2.
30	FNB 1 Sec. (No MAC) Byp. , FNB 2 Sec. (MAC) Ins.	The module is attached to the FNB-1 secondary ring and the FNB-2 secondary ring. The switch that inserts the module into the FNB-1 is turned off. The switch that inserts the module into the FNB-2 is turned on. The MAC resides on FNB-2.

Table 2. 9F12x-xx MicroLAN Module FNB Resource Configuration Codes (Continued)

Configuration ID	FDDI Connections	Description
31	FNB 1 Sec. (No MAC) Ins. , FNB 2 Sec. (MAC) Byp.	The module is attached to the FNB-1 secondary ring and the FNB-2 secondary ring. The switch that inserts the module into the FNB-1 is turned on. The switch that inserts the module into the FNB-2 is turned off. The MAC resides on FNB-2.
32	FNB 1 Sec. (No MAC) Ins. , FNB 2 Sec. (MAC) Ins.	The module is attached to the FNB-1 secondary ring and the FNB-2 secondary ring. The switch that inserts the module into the FNB-1 is turned on. The switch that inserts the module into the FNB-2 is turned on. The MAC resides on FNB-2.

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Module Specific Configuration Screen

In the FNB Resource Configuration Screen, you determine which of the two FNB rings contains the MAC. The **9F120 MicroLAN** Module Specific Configuration Screen allows you to assign one of the two FNB rings (either the ring that contains the MAC or the ring that does not contain the MAC) to each of the module's M-ports. The default ring that is assigned to each of the module's M-ports is the ring that contains the MAC.

```
                SmartSwitch 9000   LOCAL MANAGEMENT

                   Module Specific Configuration

Module Name: 9F120-08                       Firmware Revision: 01.01.01
Slot Number: 12                             BOOTPROM Revision: 00.00.04
FNB 1 Pri. (MAC)    Ins. , FNB 2 Pri. (No MAC) Ins.

        PORT#        PATH            CONNECT STATE
        1          [MAC-1]          CON
        2          [MAC-1]          CON
        3          [MAC-1]          CON
        4          [MAC-1]          CON
        5          [MAC-1]          CON
        6          [MAC-1]          CON
        7          [MAC-1]          CON
        8          [MAC-1]          CON




 SAVE                                            RETURN
```

Figure 1. 9F120 MicroLAN Module Specific Statistics Screen

To assign an FNB ring to a module's M-port:

1. Use the arrow keys to highlight the **PATH** field next to the desired port.

2. Press the **SPACE BAR** to toggle to the desired ring (either MAC-1 or No MAC).

3. Press the **Return** key. Repeat **steps 1-3** to assign an FNB ring to other M-ports.

4. Use the arrow keys to highlight **SAVE** at the bottom of the screen and press the **Return** key. When the message "SAVED OK" appears, the edits you have made are saved. If you exit without saving, the message "NOT SAVED -- PRESS SAVE TO KEEP CHANGES" appears. If you proceed to exit without saving, your edits will be lost.

5. Use the arrow keys to highlight **RETURN** and press the **Return** key.

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