8275-416 Quick Reference Card

8275-416 Identification

Building/Room/Rack _____

Unit/Serial Number _____

MAC Address _____

IP Address _____

Contact Identification

Network Administrator _____

Telephone _____

Service Contact _____

Telephone _____

IBM Support Information - WWW

Download latest code, fixes, and technical tips for your IBM products. You can also register to receive e-mail notifications about your products.

http://www.ibm.com/networking/support/8275

You can obtain copies of user documentation from:

http://www.ibm.com/networking/support/docs.nsf/8275d

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Troubleshooting

1. Determine if the fans are running; if not, test the ac power outlet.
2. Remove and reattach all cables. Check all cables, connectors, and ports for damage.
3. Verify that configuration settings are correct.
4. Verify that the power-on self test (POST) runs correctly.

Preparing to Call the IBM Product Help Center

Gather the following information:
- Product model and serial number
- Proof of purchase
- Status of LEDs
- Description of problem
- Hardware and software configuration

If possible be near your 8275-416. The technical support representative might want to walk you through a procedure during the call.

Placing a Call to the IBM Product Help Center

- In the U.S.A, call the IBM PC HelpCenter at 1-800-772-2227.
- In Canada, call HelpPC at 1-800-426-7378 (1-800-IBM-SERV).
- Outside the U.S.A. and Canada, contact your place of purchase or your local IBM branch office.

LED Status for the Switch

LEDs			Explanation
I (Green)	**OK (Green)**	**Fault (Yellow)**	
Off	Off	Off	No power is present, or there is a power supply failure. The switch is NOT operational.
On	On	Off	The switch is operational.
On	Blinking	Off	Configuration file or Operational Code file transfer is in process. DO NOT power-off or reset the switch.
On	Off	On	There is a hardware fault. The switch is NOT operational.
On	Off	Blinking	Diagnostics are in process. The switch is NOT yet operational.

Single-Digit Display

Digit	Problem	Corrective Action
d	Board RAM problem	Replace the switch.
3	Detected an unsupported feature module.	Remove the feature module.
4	PIF fault on the feature module or base board.	If feature module LED is On, remove the feature module. If no feature module LED is On, replace the switch.
5 or 6	Non-volatile memory problem.	Replace the switch.
7	8275-416 memory problem.	Replace the switch.
8	Base board loop back problem.	Replace the switch.
9 or a	Feature module loop back problem.	• 9 = Feature module in Slot 1 has the fault; remove the feature module. • a = Feature module in Slot 2 has the fault; remove the feature module.

LED Status for the Base 10/100BASE-TX Ports

LED	Color	State	Explanation
Right Ethernet Port LED	Green	ON	Indicates a 100-Mbps port.
		OFF	Indicates a 10-Mbps port.
Left Ethernet Port LED	Green	ON	The link is up.
		OFF	The link is down.
		Blinking	Transmitting (Tx) and Receiving (Rx) traffic.

LED Status for 8-Port 10/100BASE-TX Feature Module

LED	Color	State	Explanation
OK	Green	ON	There is power to feature module.
		OFF	There is no power to feature module, no power to the switch, or the module has failed.
Fault	Yellow	ON	There is a module fault.
		OFF	There is no module fault.
Right Ethernet Port LED	Green	ON	Indicates a 100-Mbps port.
		OFF	Indicates a 10-Mbps port.
Left Ethernet Port LED	Green	ON	The link is up.
		OFF	The link is down.
		Blinking	Transmitting (Tx) and Receiving (Rx) traffic.

LED Status for 4-Port and 8-Port 100BASE-FX Feature Module

LED	Color	State	Explanation
OK	Green	ON	There is power to the feature module.
		OFF	There is no power to the feature module, no power to the switch or the module has failed.
Fault	Yellow	ON	There is a module fault.
		OFF	There is no hardware fault.
Port LED	Green	ON	Link is up.
		OFF	Link is down.
		Blinking	Transmitting (Tx) and receiving (Rx) traffic.

LED Status for 2-Port 1000BASE-SX Feature Module

LED	Color	State	Explanation
OK	Green	ON	There is power to the feature module.
		OFF	There is no power to the feature module, no power to the switch or the module has failed.
Fault	Yellow	ON	There is a module fault.
		OFF	There is no hardware fault.
Port LEDs	Green	ON	Link is up.
		OFF	Link is down.
		Blinking	Transmitting (Tx) and receiving (Rx) traffic.
Fault	Yellow	ON	Link is down.
		OFF	Link is up.

Using the Terminal Interface

To configure the switch, connect a null-modem cable to the COM port of your PC and to the EIA 232 port of the switch. Use a VT-100 terminal emulation program to configure your PC COM port as follows:

- 19200 baud
- 8 data bits
- 1 stop bit
- No parity
- Hardware flow control: Off
- VT-100 emulation
- The ASCII terminal's communications port number that connects the switch

On the Logon panel, enter the user name and password.

Note: The default Read/Write User Name is: admin
        The default password is blank (no password).

On the Main Menu:

- Tab and Arrow keys—navigate through the menu
- Enter—selects menu item
- F1 or Help—displays keyboard commands
- F2–toggles between menu text and Command Bar.
- F3 or PREV MENU—returns to the previous display
- F4–saves changes.

Configuring IP Information

1. Ensure a PC is setup and connected to the switch as described in "Using the Terminal Interface".

2. Log in to the terminal interface. The user name must have read/write status. The default user name is: **admin** and the password is blank (no password).

3. From the Main Menu, select the **Management Menu**, and then select the **Network Connectivity Configuration Menu**.

4. Enter values for the following IP parameters (provided by your network administrator):
   - **IP Address.............[   ]**
   - **Default Gateway.....[   ]**
   - **Subnet Mask..........[   ]**

5. Select **APPLY**. Return to the Main Menu and select **LOGOUT**.

6. Power off the switch by disconnecting the switch power cord at the power source, waiting about 15 seconds, and reconnecting the power cord to the power source.

   The switch is configured with its IP information and can be accessed remotely in your network.

7. Power off the PC and disconnect the null modem cable from the switch.

Configuring Using Your Web Browser

You can use the Internet to configure the 8275-416 by:

1. Entering the IP address of the 8275-416 in the address field of your Web browser and pressing Enter.

2. Logging in using your user name and password, and pressing Enter.

   Note: The default Read/Write User Name is: admin. The default password is blanks (no password).

3. Clicking on items in the Navigation Tree causes the corresponding menu screen to appear.

See the *IBM 8275 Model 416 High Performance Ethernet Workgroup Switch User's Guide* for an explanation of the information displayed.

Notes