IBM 8245 Models 012/024/112/124

Building/Room/Rack	_____
Unit Number	_____
Serial Number	_____
MAC Address	_____
IP Address	_____

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.networking.ibm.com/support`

Preparing to Call the IBM Product Help Center

Gather the following information:

- Product model and serial number
- Status of LEDs
- Description of problem
- Exact wording of SNMP traps (if any)
- Hardware and software configuration

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-IBM-SERV (1-800-426-7378).

- Outside of the U.S.A. and Canada, contact your place of purchase or your local IBM branch office.

Replacement Parts

25L4876 8245-012 12 Port Manageable Hub
25L4877 8245-024 24 Port Manageable Hub
25L4878 8245-112 12 Port Managed Hub
25L4879 8245-124 24 Port Managed Hub
08L3002 8245 100BASE-FX Bridge Module
08L3003 8245 100BASE-TX Bridge Module
08L3004 8245 AUI Module
25L4900 8245 Stack Link Cable

Getting Port Status (Control Panel)

Port numbers are located at the top of the control panel and indicate the following port statuses:

Port Number	Outline Box	Port Status
Normal	Off	Port is available but link is down.
Bright	Off	Port is available and link is up.
Flashing	Off	Port is receiving data.
Bright	On	Port is disabled by administrator.
Bright	Blinking	Port is auto-partitioned due to errors.

Getting Port Status (LED Panel)

Port status LEDs are located on the front panel and indicate the following port statuses:

LED	LED Status	Port Status
Link/RX	On	Port is linked.
Link/RX	Blinking	Port is receiving data.
Link/RX	Off	Port is in "link-down" state, auto partitioned, or disabled by administrator.
100Mbps	On	Port is 100 Mbps
100Mbps	Off	Port is 10 Mbps.

Navigating the Console Display

Use the MENU, SCROLL, and ENTER keys to configure the hub and display port statistics.

- **MENU**–Return to the previous level
- **SCROLL**–Choose another topic within level
- **ENTER**–Go to next level or view status

Level 1	Level 2	Level 3
Utilization	Ports 1–12	
	Ports 12–24	
Group Select	Group x	
Statistics	Port x	Readable Frm
		Readable Oct
		FCS Errors
		Align Error
		Frm Too Long
		Short Events
		Runts
		Collisions
		Late Events
		Very Long En
		Rate Mismtch
		Auto Part
		Total Errors

Level 1	Level 2	Level 3
Port Status	All Ports	10MB Ports
		100MB Ports
		Link Up
		Link Down
		Polar Normal
		Polar Revers
		No Auto Part
		Auto Part
		Enable
		Disable
	Port x	(scrolling status)
Port Config	All Ports, Port x	Enabled
		Disabled
		Auto Nego
		10BASE-T
		100BASE-X
Unit Config	Console Lock	Lock
	Network Conf	IP Address
		Subnet Mask
		Def Gateway
	Set Password	
	Sys Restart	Continue
		Cancel
	Sys Default	Continue
		Cancel
	EIA232 Confg	Baud Rate 2400 4800 9600 19200
System Info	(scrolling status)	HW Ver
		SW Ver
		IP Addr
		Subnet Mask
		Def Gateway

Logging On (Control Panel)

- Scroll to find UNIT CONFIG or PORT CONFIG; press ENTER
- Scroll to 1st digit of password; press ENTER
- Scroll to 2nd digit of password; press ENTER
- Repeat until all digits are entered

Note: The default control panel password is 0000.

Configuring Ports (Control Panel)

Configure port to match port at other end of the link. Ensure that the speed is identical.

- Select **PORT CONFIG**
- Select port number
- Scroll to view port settings. Selected settings are marked with an asterisk (*). Press Enter to change settings.

Using the Console Program

To configure the 8245, connect a null-modem cable to the COM port of your PC and to the EIA 232 port of the 8245. Use a terminal emulator program to configure your COM port as follows:

- 9600 baud
- 8 data bits
- 1 stop bit
- No parity
- Hardware flow control—None.

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

Note: The default user name is ADMIN. This user name has no default password.

On the Main Menu:

- Tab and Arrow keys—navigate through the menu
- Enter—selects menu item
- Exit or Esc—returns to the previous display
- Help—displays keyboard commands

Using Web Browser Management

You can use the Internet to configure the 8245. Enter the IP address or host name in your Internet browser's address field. You are prompted for a user name and password.

Note: The default user name is ADMIN. This user name has no default password.

Setting up a New Stackable Hub

1. Remove power from each hub in the stack by disconnecting the power cords.

2. Place the new hub in the stack.

3. Connect the stack link cables by connecting one end of the cable to port A on one hub and the other end to port B on the next hub.

4. Ensure that all stack link cables are secure.

5. Power on the stack, by reconnecting the ac power cables.

Notes:

1. The 8245 managed hub can be located at any position in the stack.

2. The 8245 hub is not "hot-swappable."