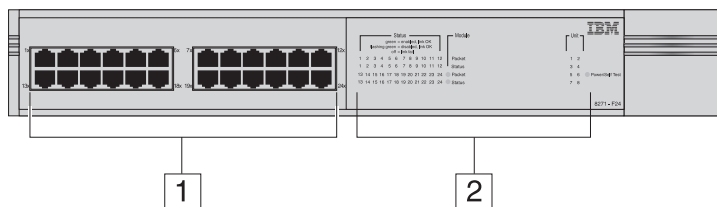




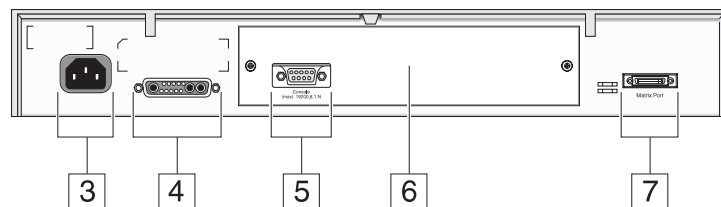
# 8271 NWAYS ETHERNET LAN SWITCH MODELS F12 AND F24 QUICK REFERENCE GUIDE

## Hardware Features



The illustration shows a Switch Model F24 (02L0879). The port and LED layout is different for a Switch Model F12 (02L0878).

- 1 10BASE-T/100BASE-TX Ports** These auto-negotiating ports can automatically detect the speed of a link and provide a 10Mbps connection to Ethernet devices or a 100Mbps connection to Fast Ethernet devices. The ports are configured as MDIX (cross-over) and support a maximum segment length of 100m (328ft) over Category 5 twisted pair cable.
- 2 Status LEDs** These LEDs provide a quick method of diagnosing problems. See "LEDs" for more information.
- 3 Power Socket** Insert the power cord into this socket to connect the Switch to the main power supply. Note that there is no On/Off button.



- 4 Redundant Power System Socket** Use this socket to connect an Advanced Redundant Power System (RPS) to the Switch, and therefore protect against internal power supply failure.
- 5 Console Port** Use this port to connect a terminal or terminal emulator to the Switch, and therefore allow out-of-band management. The console port uses standard null modem cable and is set to auto-baud, 8 data bits, no parity and 1 stop bit.
- 6 Expansion Module Slot** Remove the blanking plate to install an optional Expansion Module that provides an additional high-speed link, or a Matrix Module that provides four matrix ports for stacking Switch units together.
- 7 Matrix Port** Use this port to connect a Matrix Cable, which allows you to stack Switch units together.

## LEDs

| LED                                      | Color           | Indicates  |
|--|-----------------|--|
| <b>Port Status LEDs</b>                  |                 |  |
| <b>Packet</b>                            | Yellow          | Packets are being transmitted/received on the port.  |
|  | Off             | No packets are being transmitted/received on the port.   |
| <b>Status</b>                            | Green           | A link is present, and the port is enabled.  |
|  | Green flashing  | A link is present, but the port is disabled.   |
|  | Off             | No link is present.  |
| <b>Expansion Module Port Status LEDs</b> |                 |  |
| <b>Packet</b>                            | Yellow          | Packets are being transmitted/received on the Expansion Module port(s).  |
|  | Off             | No packets are being transmitted/received on the Expansion Module port(s).   |
| <b>Status</b>                            | Yellow          | A valid Expansion Module is installed in the Switch.   |
|  | Yellow flashing | An unrecognized Expansion Module is installed in the Switch.   |
|  | Off             | No Expansion Module is installed in the Switch.  |
| <b>Unit LEDs</b>                         |                 |  |
| <b>1 – 8</b>                             | Green           | Indicates the position of the Switch in the stack and that a link is present. Note that although there are eight LEDs, only four Switch units can be stacked at present. |
| <b>1 – 8</b>                             | Off             | The Switch is stand-alone.   |

| LED                        | Color          | Indicates   |
|----------------------------|----------------|---|
| <b>Power/Self Test LED</b> |                |   |
|                            | Green          | The Switch is powered-up.   |
|                            | Green flashing | The Switch is either downloading software or is initializing (which includes running a Power On Self Test). |
|                            | Yellow         | The Switch has failed its Power On Self Test.   |
|                            | Off            | The Switch is not receiving power.  |

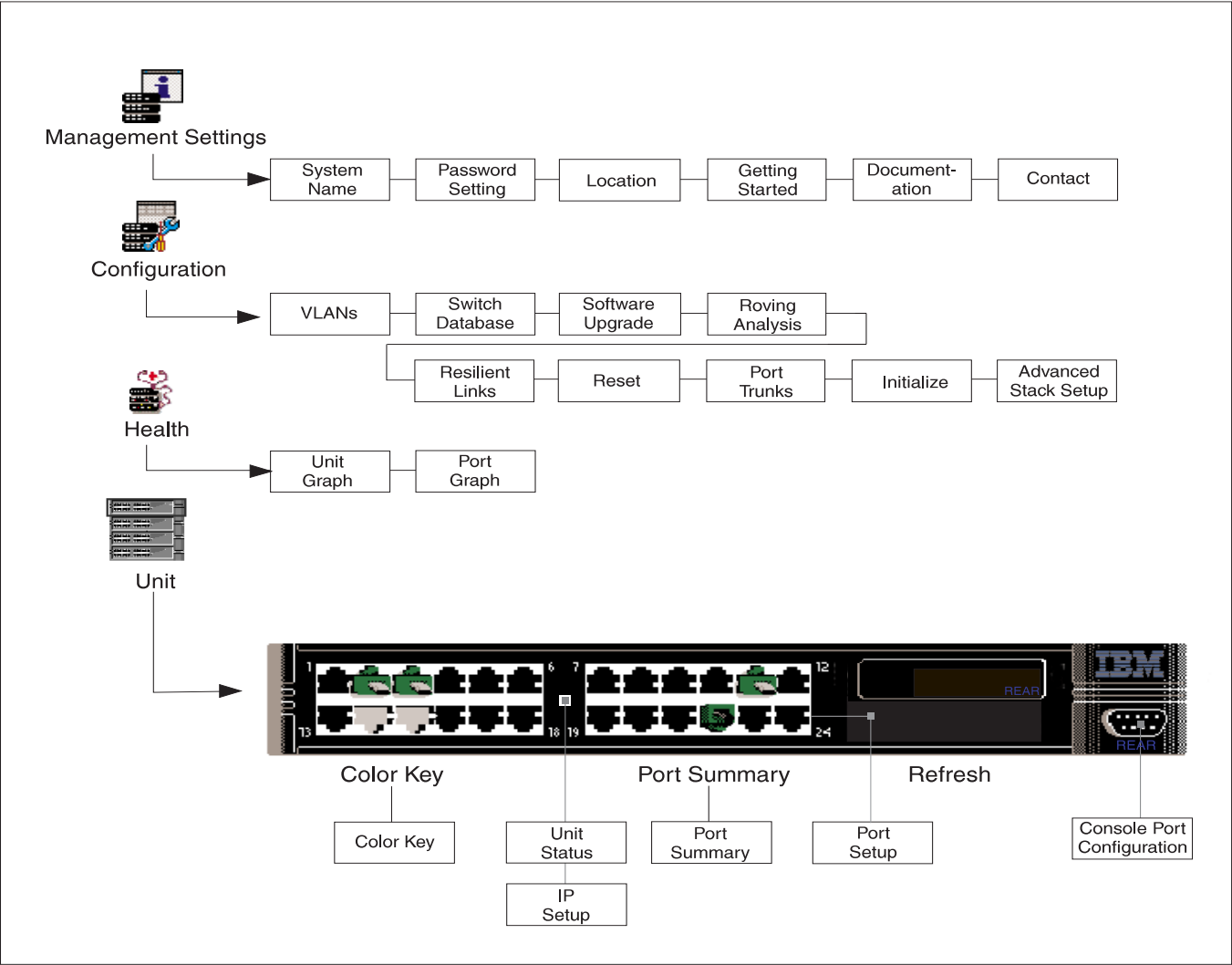
## Default Settings

|                                |  |
|--------------------------------|--|
| <b>Port Status</b>             | Enabled  |
| <b>Port Speed</b>              | 10BASE-T/100BASE-TX ports are auto-negotiated          |
| <b>Duplex Mode</b>             | All fixed ports are auto-negotiated                    |
| <b>Flow Control</b>            | Enabled in half duplex, auto-negotiated in full duplex |
| <b>Security</b>                | Disabled   |
| <b>Broadcast Storm Control</b> | Enabled  |
| <b>Spanning Tree (STP)</b>     | Disabled   |

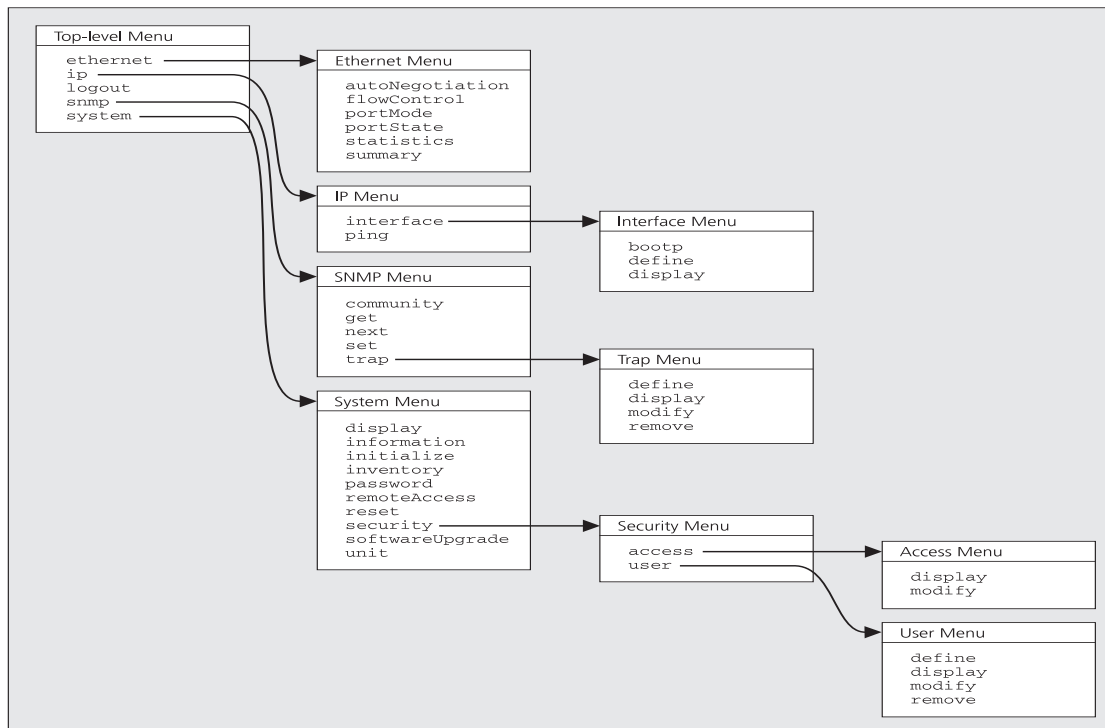
## Default Passwords

|                       |   |
|-----------------------|---|
| Monitor access level  | User Name: monitor<br>Password: monitor   |
| Manager access level  | User Name: manager<br>Password: manager   |
| Security access level | User Name: admin<br>Password: (no password)<br><b>or</b><br>User Name: security<br>Password: security |

# Web Interface Map



## Command Line Interface Map



- **To display sub-menus:**

At the *Select menu option* prompt, enter the name of the menu or menus.

- **To display parent menus:**

At the *Select menu option* prompt, enter **q**.

- **To display the Top-level menu:**

Press the [Esc] key.

- **To obtain help:**

At the *Select menu option* prompt, enter **?**.