



COMPUTER CONNECTION TECHNOLOGY

**24 + 2Giga N-WAY SNMP
Ethernet Switch**

Quick Installation Guide

English

LINDY No. 25030



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Quick Installation Guide

Please find the complete detailed user manual on the enclosed CD as PDF File.

Unpacking

Open the shipping carton of the Switch and carefully unpack its contents, the carton should contain the following items:

- o One 24+2G, 24 port Fast Ethernet Layer 2 Switch.
- o Mounting Kit: 2 mounting brackets and screws
- o Four rubber feet with adhesive backing.
- o One AC power cord.
- o One RS-232 cable
- o This Quick Installation Guide and CD.

Installation

Follow the guidelines below to install the Switch.

- o Do not place any object weighted more than 3Kg (6.6 lb) on the Switch.
- o Connect the power cord to the Switch and the power outlet.
- o Leave at least 10 cm (4 inches) of space around the Switch for heat dissipation.

Desktop or Shelf Installation:

When installing the Switch on the desktop or shelf, please attach the rubber feet to the Switch. Peel off the protective paper on the pads and attach them on the bottom of the Switch (one at each corner).

19" Rack Installation:

The 24+2G Switch is rack-mountable and you can install the Switch on an EIA-19 inch equipment rack. To do this, first install the mounting brackets on the Switch's side panels (one on each side), secure them with the included screws, and then use the screws provided with the equipment rack to mount the Switch on the rack.

Power On the Switch:

The 24+2G Switch has a universal power supply and you can power up the Switch with 90 ~ 260V AC, 50 ~ 60Hz power source. The AC power cord connector is located at the rear of the unit and the On/Off switch is next to the connector. Connect the power cord from the power outlet to the Switch and push the On/Off Switch to "ON" position to power on the Switch. After the Switch is powered on, it will perform "self-diagnostic" (POSD). This process takes about 100 seconds to complete, during this process, the "DIAG" LED will blink green and the Switch will not response to any configuration program and all the connections to the Switch will not be available. When the processed is completed, the "DIAG" LED will stay solid green.

The following table describes the meaning of each LED indicator.

LED indicators information

LED		Colour	Status	
			Solid	Blinking
Power		Green	Power is applied to this device	N/A
DIAG		Green	Self Diagnostic successfull	Performing self diagnostic test
Cooling	Fan 1	Red	Left cooling fan failure	N/A
	Fan 2	Red	Right cooling fan failure	N/A
Link/Act (1 ~24 port)		Green	10 Mbps link established	TX/RX activity or collision
100 Mbps (1 ~24 port)		Green	100 Mbps link established	N/A
		OFF	10 Mbps link established	N/A
10/100/1000 Mbps RJ-45 Gigabit Port Optional Module				
Bottom LED		Green	N/A	TX/RX activity or collision
Top LED		Orange	100 Mbps link established when Middle LED OFF	N/A
Middle LED		Green	10 Mbps link established when Top LED OFF	N/A
Top & Middle LEDs		Orange & Green	1000 Mbps link established when both LED ON	N/A

Initial set up for SNMP management

There are two ways to perform the initial setup for the Switch; one is “Out-of-Band Configuration” (connect your **PC’s serial port to the Switch’s console port** with the included RS-232 serial cable and run terminal communication program) and the other is “In-Band Configuration” (**network a PC to the Switch and run web browser or telnet**).

The sections below show the instructions on how to perform both operations.

In-Band Configuration via Ethernet Network

If you want to configure the Switch via Ethernet connection please skip the next section and proceed to the next page.

Out-of-Band Terminal Mode Configuration

If you are using Microsoft Windows, boot up the computer, go to “Start”, “Programs”, “Accessories”, “Communications”, and open the “HyperTerminal”. After that follow the instructions below to setup a new terminal connection for the Switch. If you are using other communication software, please select correct COM port and setup the connection properties according to step 3 below.

1. Type in a name for the connection (e.g. SNMP Switch), select an icon for the connection, and click “OK”.
2. Select the COM port that you are using for this connection and click “OK”.
3. Setup the COM port properties by using the information below and click “OK”.
Bit Rate per Second = 9600
Data Bits = 8
Parity = None
Stop Bit = 1
Flow Control = None
4. Connect the included serial cable from the computer’s COM port to the Switch’s console port.
5. Power on the Switch and you will see some messages displayed on the “HyperTerminal”. The Switch’s Power On Self Diagnostic (POSD) takes about 90 seconds. After that, you will see the login screen.
If the Switch is already powered on and finished its self-diagnostic, after running the terminal communication program, please hit “Enter” once to get the login screen.
6. At “username” field type in **admin** and hit “Enter”.
7. At “password” field type in **lindy** and hit “Enter”. You are now login to the Switch’s configuration program.
8. On the lower portion of the screen, you will see descriptions of the navigation keys (e.g. Tab, Space Bar, and Enter). Please use these keys to move around the configuration program.

For more information about the configuration settings, please refer to the User’s Guide in the included CD-ROM.

Note: If there is no activity for 2 minutes, the console program will automatically logout. Please reenter the password and username to login again.

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In-Band Configuration via Ethernet Network

In addition to terminal mode configuration, 24+2G Switch also supports In-Band Configuration using Web Browser. Compare with terminal mode configuration, web browser configuration is easier. You can simply connect the network-ready PC to the Switch, open the web browser, go to the Switch's configuration page (Switch's IP address), and configure the Switch by clicking on the subject on the menu.

Before you can access the switch through in-band, you must make sure the computer connecting to the Switch has a web browser and the TCP/IP protocol (with valid IP address) is bound to the network adapter. After that, you can either change your computer's IP address to the same class as the Switch's IP address, or you can login the Switch with the "out-ofband" method described in the previous section and configure the Switch's IP address to the same class as your computer's IP address.

Below, is the Switch's default IP information:

IP Address: 192.168.1.1

Subnet Mask: 255.255.255.0

Gateway: 192.168.1.254

Modify Switch's IP address via Out-of-Band method

1. Login the console (note: default User Name: admin, Password: lindy).
2. Use "Tab" key to select (highlight) "Switch Static Configuration" and hit "Enter".
3. Use "Tab" key to select "Administration Configuration" and hit "Enter".
4. Use "Tab" key to select "IP Configuration" and hit "Enter".
5. Use "Tab" key to select "Edit" and hit "Enter".
6. Use "Tab" key to highlight "IP Address", enter the desired IP address (e.g. 192.168.1.100), and hit "Enter".
7. The "Subnet Mask" is now highlighted, enter the correct subnet mask, and hit "Enter".
8. Input the Gateway address and hit "Enter".
9. Press and hold "Ctrl" and then hit "A" to go to the "Action Menu".
10. Use "Tab" key to select "Save" and hit "Enter".
11. The screen will prompt you to "restart the system... ", turn off the Switch, wait for 10 seconds, and then turn the Switch's power back on.

After the Switch finishes the self-diagnostic, open your computer's web browser and at the "Address:" field, enter the Switch's IP address (e.g. **http://192.168.1.100**), hit "Enter" or click on "Go", and the Switch's configuration page will prompt you to enter "User Name" and Password" to login.

(Note: default User Name: **admin**, Password: **lindy**).

Modify Network Adapter's IP address

You can change the network adapter's IP address in the Network Adapter's "Properties". We suggest that you change the network adapter's IP to the following settings:

IP Address: 192.168.1.101

Subnet Mask: 255.255.255.1

(Note: you don't need to enter Gateway address at this moment.)

Reboot the computer if necessary. After the computer boots back up, open the web browser and at the "Address" field, enter **http://192.168.1.1** , hit "Enter" or click on "Go", and the Switch's configuration page will prompt you to enter "User Name" and Password" to login.

(Note: default User Name: **admin**, Password: **lindy**).

For the complete configuration guide, please refer to the User's Guide in the CD-ROM.

Radio Frequency Energy

FCC Compliance Statement (United States)

This equipment generates, uses and can radiate radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio communication.

It has been tested and found to comply with the limits for a class A computing device in accordance with the specifications in Subpart B of part 15 of FCC rules, which are designed to provide reasonable protection against such interference when the equipment is operated in a commercial environment. Operation of this equipment in a residential area may cause interference, in which case the user at his own expense will be required to take whatever measures may be necessary to correct the interference.

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Canadian Department of Communications RFI statement

This equipment does not exceed the class A limits for radio noise emissions from digital apparatus set out in the radio interference regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le règlement sur le brouillage radioélectriques publié par le ministère des Communications du Canada



Tested to comply
with FCC Standards

LINDY No. 25030

