FCC Certifications

This Equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.
Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received; including interference that may cause undesired operation.

CE Mark Warning

This equipment complies with the requirements relating to electromagnetic compatibility, EN 55022 class A for ITE, the essential protection requirement of Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

Company has an on-going policy of upgrading its products and it may be possible that information in this document is not up-to-date. Please check with your local distributors for the latest information. No part of this document can be copied or reproduced in any form without written consent from the company.

Trademarks:
All trade names and trademarks are the properties of their respective companies.

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The device is a powerful, high-performance Gigabit Ethernet switch, where 24 ports of them are capable of 10/100Mbps and 2 ports capable of 10/100/1000Mbps with Full/Half duplex capability.

Store-and-forward switching mode promises the low latency plus eliminates all the network errors, including runt and CRC error packets. To work under full-duplex mode, transmission and reception of the frames can occur simultaneously without causing collisions as well as double the network bandwidth.

The switch is plug-n-play without any software to configure and also fully compliant with all kinds of network protocols. Moreover, the rich diagnostic LEDs on the front-panel can provide the operating status of individual port and whole system.

Before you start, please check all the contents of this package.

- *One 24 port 10/100Mbps +2 port Gigabit Switch*
- *One power cord*
- *Rubber foot*
- *Rack-mount brackets and screws*
- *User's Manual*

LED Definition

Please refer to the following table for LED definition

Type	LED	Status	Operation
System	**Power**	Steady Green	Power is on
		Off	Power is off
Port 1~24 **One LED Per port** **(10/100Mbps)**	**LINK/ACT**	Steady Green	The port is linking up
		Blinking Green	There is traffic transverses the port
		Off	No connection
Port 25, 26 **Four LEDs Per Port** **(10/100/1000Mbps)**	**10M**	Steady Green	Linking up 10M
		OFF	No connection
	100M	Steady Green	Linking up 100M
		OFF	No connection
	1000M	Steady Green	Linking up 100M
		OFF	No connection
	Act	Steady Green	There is traffic transverses the port
		OFF	No traffic

AC Power

The switch's power supply automatically adjusts to line power in the range 100-264V/50-60Hz.

Cable Selection

The switch can use the following types of cabling:

- 10BASE-T: Category 3, 4 or 5 UTP/STP
- 100BASE-TX: Category 5 UTP/STP
- 1000BASE-T: Category 5 UTP/STP

Category 5 or enhanced cable is preferred to use with this product in structured wiring environments. This will ensure correct operation of all ports at 10Mbps, 100Mbps or 1000Mbps.

Station Connection

Connect each station to the switch by a category 5 twisted-pair cable (straight or cross-over cable). Plug one RJ-45 connector into a front-panel port of the switch, and plug the other RJ-45 connector into the station's network adapter.

Switch Connection

In making a switch interconnection, you could use any port to connect another switch with straight or crossover cable. As all the ports support auto MDI / MDI-X function, using a straight cable to make a switch-to-switch connection is allowed.

For cable selection, refer to the following table

Network Speed	Cable Type	Max. Length
10Mbps	Cat. 3, 4, 5 UTP/STP	100 meters
100Mbps	Cat. 5 UTP/STP	100 meters

Network Application

100Mbps Switch

100Mbps File Server

100Mbps Web Server

10Mbps Hub

PC PC PC

PC PC PC

4
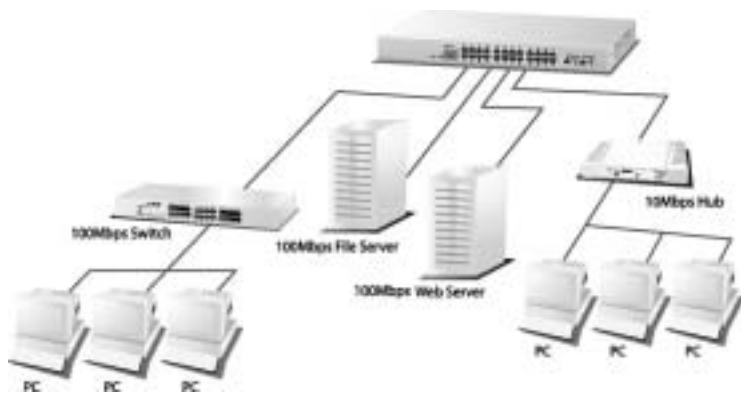
Specifications

Standard	IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3ab
Interface	24 * 10/100Mbps RJ-45 ports 2 * 10/100/1000Mbps RJ-45 ports **(Auto MDI/MDI-X)**
Cable Connections	RJ-45 (10BASE-T): Category 3,4,5 UTP/STP RJ-45 (100BASE-TX): Category 5 UTP/STP RJ-45 (1000BASE-T): Category 5 UTP/STP
Network Data Rate	10/100/1000Mbps
Transmission Mode	10Mbps Full/Half Duplex 100Mbps Full/Half Duplex 1000Mbps Full Duplex

LED indications	System
	  Power
	Port
	  10/100M(24port): LINK/ACT
	  10M; 100M; 1000M; Act

System Buffer Memory	2.5Mbits
MAC Address Table	8K entries
Filtering/Forwarding Rate	10Mbps: 14,880pps/14,880pps 100Mbps: 148,800pps/148,800pps 1000Mbps: 1,488,100pps
Emission	FCC Class A, CE
Operating Temperature	$0^0 \sim 50^0$C ($32^0 \sim 122^0$F)
Operating Humidity	10% - 90%
Power Supply	3.3V 4A (100-240V/ 50-60Hz)

61NB-5526D-200/C