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LANCOM GS-2310P/GS-2326(P) User Manual

LANCOM
Systems

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1 Introduction

1.1 Overview

This user manual will not only show you how to install and connect your network system, but also how to configure and monitor the GS-2300 series step-by-step via CLI (SSH, Telnet), serial interface, the web or ethernet ports. Many detailed explanations of hardware and software functions are shown as well as examples of the operation for the web-based interface.

The GS-2300 series, the next generation of switches from LANCOM, is a portfolio of affordable managed switches that provides a reliable infrastructure for your business network. These switches deliver more intelligent features to improve the availability of your critical business applications, protect your sensitive information, and optimize your network bandwidth to deliver information and applications more effectively. It provides the ideal combination of affordability and capabilities for entry level networking includes small business or enterprise application and helps you create a more efficient, better-connected workforce.

Product Highlights:

- L2+ features provide better manageability, security, QoS, and performance.
- High port count design with all Gigabit Ethernet ports
- Supports guest VLAN, voice VLAN, port-based, tag-based and protocol-based VLANs
- Supports 802.3az energy efficient ethernet standard
- Supports 8K MAC table
- Supports IPv6/IPv4 dual stack
- Supports s-Flow
- Supports Easy-Configuration-Port for easy implementation in the IP Phone, IP Camera or Wireless environment.

2 Operation of Web-based Management

Initial Configuration

This chapter instructs you how to configure and manage the GS-2300 series through the web user interface. With this facility, you can easily access and monitor through any one port of the switch all the status of the switch, including MIBs status, each port activity, spanning tree status, port aggregation status, multicast traffic, VLAN and priority status, illegal access record, etc.

The default values of the GS-2300 series are listed in the table below:

IP Address	172.23.56.250
Subnet Mask	255.255.255.0
Default Gateway	172.23.56.254
Username	admin
Password	admin

After the switch has finished the configuration of the interface, you can browse it. For instance, type `http://172.23.56.250` in the address bar of a web browser, it will show the following screen and ask you to input your username and password in order to login and access authentication.

The default username is "admin" and the password is "admin". When logging in for the first time, please use the default username and password, and then click the "Login" button. The login process now is completed. In the login menu, you have to use the complete username and password respectively, the GS-2300 series will not give you a shortcut to a username automatically. This looks inconvenient, but is more secure.

In the GS-2300 series, the user management allows only one administrator to configure the system at the same time. If there are two or more users using administrator access, it will allow the one who logs in first to configure the system. The rest of the users, even with administrator access, can only monitor the system. Those who have no administrator access can only monitor the system regardless. Only a maximum of three users are able to login simultaneously in the GS-2300 series.



When you first login on the switch using the web you must use the default username and password.

Both IPv4 and IPv6 are supported for management functions.

The switch supports a neutral web browser interface.

! The GS-2300 series is set to DHCP by default. If you do not have a DHCP server to provide an IP address to the switch, the default IP is 172.23.56.250



System Information	
Model Name	LANCOM GS-2310P
System Description	8-Port 10/100/1000Base-T + 2 TP/(100/1G) SFP Combo PoE+ L2 Plus Managed Switch
Location	
Contact	
Device Name	GS-2310P
System Date	2011-01-01 00:07:03
System Uptime	0d 00:07:03
BIOS Version	v1.00
Firmware Version	v2.66
Hardware-Mechanical Version	v1.01-v1.01
Serial Number	033618000001
Host IP Address	10.1.201.29
Subnet Mask	255.255.0.0
Gateway IP Address	10.1.1.11
Host MAC Address	00-40-c7-74-00-19
Console Baudrate	115200
RAM Size	64MB
Flash Size	16MB
Bridge FDB Size	8192 MAC Addresses
Transmit Queue	8 queues per port
Maximum Frame Size	9600

System Information Help

The switch system information is provided here.

Model Name
Displays the factory defined model name for identification purpose.

System Description
Displays the system description.

Location
Displays the location where the system is currently running, and can be configured in System | System Information | Configuration | System Location.

Contact
Displays the system contact person that configured in System | System Information | Configuration | System Contact.

Device Name
Displays the user-defined system name that configured in System | System Information | Configuration | System Name.

System Date
Display the current system time and date. The field format is YYYY-MM-DD HH:MM:SS

2.1 Connecting network devices

The switch is designed to be connected to 10, 100 or 1000Mbps network cards in PCs and servers, as well as to other switches and hubs. It may also be connected to remote devices using optional SFP transceivers.

2.2 Twisted-pair devices

Each device requires an unshielded twisted-pair (UTP) cable with RJ45 connectors at both ends. Use Category 5, 5e or 6 cable for 100BASE-T connections, Category 5 or better for 100BASE-TX connections.

2.3 Cabling guidelines

The RJ45 ports on the switch support automatic MDI/MDI-X pin-out configuration, so you can use standard straight-through twisted-pair cables to connect to any other network device (PCs, servers, switches, routers, or hubs).

See Appendix B for further information on cabling.

 **CAUTION:** Do not plug a phone jack connector into an RJ45 port. This will damage the switch. Use only twisted-pair cables with RJ45 connectors that conform to FCC standards.

CONNECTING TO PCS, SERVERS, HUBS AND SWITCHES

Step 1: Attach one end of a twisted-pair cable segment to the device's RJ45 connector.

Figure 16: Making Twisted-Pair Connections