M7200008_TT_ENB01W

Product:
LP-SGW2404F

Family:
Active Products

Tech Tip 8

Firmware Revision 1.1.0 Build 20141106 Rel.54850(n) For LanPro LP-SGW2404F IPv6 Ready

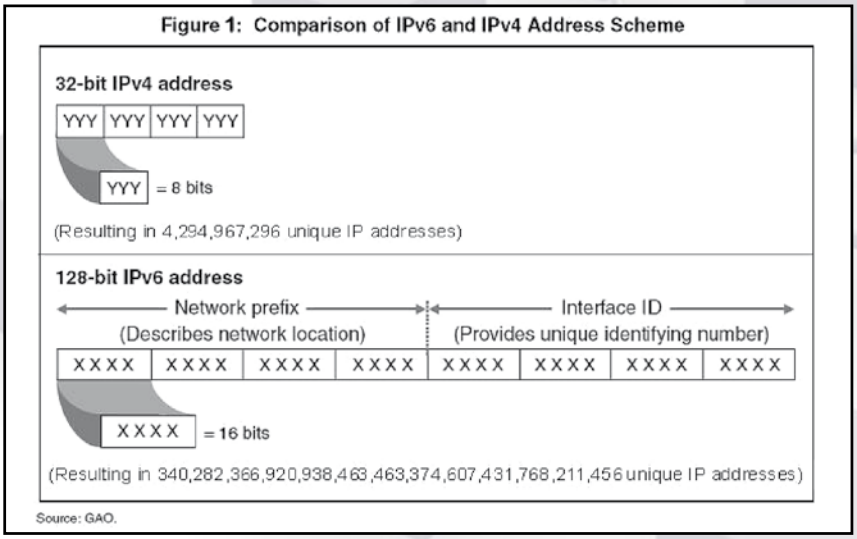
Preliminary:

IPv6

An IP address resembles a phone number or a physical address or a personal identity number. When you connect to the Internet, your device (Computer, Mobile phone, Tablet) is being assigned an IP and in the same token, each web page you visit has an IP. There is also the Voice over IP business phenomena or VoIP which has been increasing the demand of networking resources. The addressing system that has been in use from the beginning of the Internet is called IPv4, and the new one is called IPv6. The trend now is to eliminate the use of IPv4 and use the IPv6 due to depletion of IPv4 IP addresses in order to supply the demand imposed by the exponential growth of the Internet.

With this in mind, the IPv6 augments the availability of IP addresses immensely, E.G.: the IPv4 has more than 4 Billion combinations, but in the IPv6 case the possible combinations are extremely large as is shown in the following figure.

Figure 1: Comparison of IPv6 and IPv4 Address Scheme



NO NEED TO GET ALARMED!
YOU DON'T NEED TO DISCARD YOUR IPV4 EQUIPMENT YET.

Modern servers are able to cope with this by interpreting the IPv4 code and adapting it to the IPv6 environment or vice-versa, automatically and with some expense of resources and time. LanPro is starting to make its products IPv6 ready, preparing itself to cope with this trend.

LanPro equipment is now up to date and already adapted to this state of the art. In the same way, many government and corporate projects are asking for IPv6 in their Bid specifications of the main switches of their networks.

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LAUNCH OF THE FIRST NATIVE IPV6 EQUIPMENT:

We have released the new features for IPv6 Ready in our LP-SGW2404F switch, please refer to our Web Page www.lanpro.com to download the newest firmware for this product, and enjoy the best results on performance of this update.

Link for download:
http://www.lanpro.com/products/active/products/download.asp?id=1184

New Features on this Firmware:

- IPv6 (Internet Protocol version 6) Support.
- Supports HTTPS connection for IPv6.
- Supports IPv6 Multicast Address.
- Supports Snooping IPv6 multicast control packets. MLD snooping.
- We modified the Multicast Table function implemented on the IPv4 Multicast table to support IPv6 Multicast Table pages.
- Supports Ping test for IPv6.
- Supports IP address of the destination device for IPv6.
- Additional support for SSH v1/v2, SSL 2.0/3.0 and TLS v1 for access encryption for IPv6.
- The Simple Network and Management Protocol (SNMP) can be configured now over IPv6 transport.
- Functionality + IPv6 that supports stateless auto-configuration to manage link, subnet, and site addressing changes.
- Functionality + DHCPv6 that enables the switch to receive configuration parameters, such as IPv6 network addresses from DHCPv6 servers.

For more information please contact:
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