ZyXEL AES-100 V1.01(AS.0)c0

Release Notes/Manual Supplement

Date: May 21, 2001

Congratulations on your purchase of AES-100 ADSL-Ethernet Switch. AES-100 is an ADSL (Asymmetrical Digital Subscriber Line) to Ethernet switch. It allows you to multiplex traffic from up to 16 ADSL lines to Ethernet network before it is forwarded to the Internet.

ADSL allows the coexistence of broadband data service and conventional voice service over the same telephone line. When deployed together with ZyXEL's ADSL modems, e.g., P642M, and WAN routers, e.g., P1400, the combination forms an integrated solution for providing broadband services to multiple tenant units such as apartments, hotels, offices and campus buildings.

The AES-100 has two slots for the ADSL to Ethernet multiplexer modules. This design provides the flexibility for you to install as few as a single module for the initial deployment and yet still has room to grow as the demand increases.

Each ADSL to Ethernet multiplexer module aggregates traffic from 8 lines to an Ethernet port.

The integrated splitters eliminate the need to use external splitters to separate voice-band and ADSL signals.

This 10 Mbps Ethernet port connects the AES-100 to an Ethernet network. With the Ethernet as the backbone, you can create a network that provides ADSL service to hundreds of subscribers.

This document describes the features in the ZyXEL AES-100 product for its 1.01(AS.0)c0 release. The known problem list section describes problems currently under investigation and enhancement during our internal test.

Version:

F/W Version: V1.01(AS.0) | 5/21/2001
Boot Loader: V1.00(AS.0) | 2/23/2001

Features:

1. ADSL ports support G.dmt and G.lite.
2. Support IEEE 802.1d transparent bridge.
3. ADSL ports support RFC 1483 Bridge Mode.
4. Support port-based VLAN.
5. Firmware upgrade and configuration backup/restore.
6. Remote manageable.
7. SNMP manageable.

Wish List:

1. VC-based multiplexing is not support in this version.
2. SNMP management objects about ADSL are not support in this version.
3. CI commands for changing VPI/VCI values of ADSL ports are not support in this version.
4. Static filtering of IEEE 802.1d is not support in this version.
5. Spanning tree protocol is not support in this version.

Know Problem List:

1. When the upstream rate of an ADSL port is over **832** Kbps, the upstream bit error rate may be greater than **10^{-7}**.

Bug Fixed:

1. Ethernet port may not work after several hours.

Major Changes to Previous Versions:

1. Change ATMOS version from V.6.3 to V.7.1

Forget Your Management Password

The AES-100 requires users input the management password during console or telnet login. To manage the AES-100, the system administrator must remember the management password. If the password is forgotten, please contact ZyXEL.