AnyMedia® Line Access Gateway Frequently Asked Questions

Q. What is the AnyMedia Line Access Gateway?

A. The AnyMedia Line Access Gateway (LAG) is a new product providing a low cost, high-density access gateway optimized for office growth and exchange consolidation enabling the evolution to next generation networks. The system supports both narrowband applications, including POTS, ISDN and leased lines, as well as broadband applications, including multiple types of digital subscriber line like ADSL and SHDSL, on a single, integrated platform. It is the latest addition to the AnyMedia® Access System product portfolio.

Q. How does the AnyMedia Line Access Gateway fit in with the existing AnyMedia Access System product line?

A. The AnyMedia LAG is an important complement to the existing AnyMedia Access System product family. It is the fifth generation of Lucent's Access solutions and provides more than twice the capacity of previous AnyMedia Access System platforms positioning it for sites with over 500 lines. When combined in the same cabinet as the AnyMedia Access System or the Stinger FS+, the AnyMedia LAG provides a powerful solution. The addition of the AnyMedia LAG enables Lucent to offer access solutions to meet any size market in a variety of indoor and outdoor configurations.

Q. What is a Line Access Gateway?

A. The word "Line" stands for lifeline POTS lines or ISDN, to the contrast of derived voice lines. "Access Gateway" is a network element or node that can convert between different protocols, such as going from TDM (POTS) to ATM or in the future TDM to Packet as with next generation networks.

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Q. What type of narrowband services does the AnyMedia LAG support?

A. The AnyMedia LAG supports a combination of POTS, analogue leased lines or payphone, ISDN BRA, ISDN PRA, Nx64 kbs digital leased lines, 2.048 Mbs structured and unstructured leased lines, and digital leased lines via a U-interface.

Q. What type of broadband services does the AnyMedia LAG support?

A. The AnyMedia LAG currently supports ADSL full rate and G.lite (Annex A and Annex B), SDSL 2B1Q, and SHDSL. Future plans include ADSL2+ and VDSL.

Q. What is the capacity of the AnyMedia LAG?

A. The AnyMedia LAG has a total of 43 applications slots and supports up to 1,376 POTS lines per shelf and up to 3,776 POTS lines per cabinet. In a cabinet configuration, it can accommodate 3648 lines for ADSL and 1888 for ISDN.

Q. What are the overall dimensions of the AnyMedia LAG?

A. The dimensions are 96.5 cm (38 inches) in height, 63.5 cm (25 inches) wide, 28.0 cm (11 inches) in depth.

Q. What network interfaces does it support?

A. The AnyMedia LAG supports V5.2, E1 IMA, DS1 IMA, E3, DS3, ITU STM-1, Japan STM-1, OC-3c. Future plans include interfaces to Softswitches for next generation networking.

Q. What deployment options are available for the AnyMedia LAG?

A. The AnyMedia LAG is very flexible and can be deployed in the local exchange and remote office for both indoor and outdoor configurations.

Q. What types of applications does the AnyMedia LAG support?

A. The AnyMedia LAG can support a variety of revenue generating voice, video and data services for both residential and business markets. These include: enhanced voice and messaging services like unified messaging, bundled residential services such as high speed internet, broadcast TV and video-on-demand and business class services like video conferencing and multi-line VOIP services.

Q. Are cards from other AnyMedia Access System units compatible with the AnyMedia LAG?

A. All line cards are shared between the AnyMedia® Access System, the AnyMedia® Access System 800, the AnyMedia® ONU and the AnyMedia LAG, minimizing inventory and training for operators, as well as any interoperability issues.

Q. What type of network management is available?

A. The AnyMedia LAG utilizes the Navis™ AnyMedia® Element Management System (EMS). This single, integrated management system provides flexible control over all network devices and service offerings. The Navis AnyMedia EMS reduces time and effort for provisioning tasks, achieves fast and efficient fault detection and isolation, monitors the performance and quality of transmission links and services, prevents unauthorized access by appropriate security mechanisms, reduces operator error and training through an easy-to-use Graphical User Interface, provides northbound interfaces for the integration of network, and provides the lowest possible Cost of Ownership for an Access Network.

Q. Is the AnyMedia LAG ETSI compliant?

A. Yes, with one exception, the width. Otherwise, it is designed to meet the appropriate regulations of European Telecommunication Standards ETS 300 019-1 (Environmental conditions and environmental tests for telecommunications equipment).

