

ABSTRACT

Next Generation Network development in the world of telecommunication networks toward to IP system. This is in because of the flexibility provided by IP networks, as well as ease in the development of existing service to make the variety of service on offer. One service is a VoIP. Voip is telecommunication technology that is able to passing voice service into the IP networks so as to make telecommunications links between user who are connected in an IP network.

In this project we will design an interface device that is able to support us for this telecommunication technology. This device is called ATA or analog telephone adapter. This device can enable us to communicate using VoIP technology with the utilization of the existing analog telephone. This device has multiple ports such as internet and telephone port. Telephone port is useful for connecting devices with an analog telephone and internet ports are useful for connecting to the Internet network. On these devices are FXS interface as the central control of these devices.

From the ATA or analog telephone adapter we can communicate using VoIP technology just by using a simple computer device with software that support VoIP technology. In addition, we can utilize the analog telephone system for use as a telephone that is digital also the use of telephone has a lower cost levels.

Keyword : VoIP, jaringan internet, FXS interface, ATA