

ABSTRACT

Cable modem was equipment that can give high access speed to internet via Hybrid Fiber Coax. (HFC) network. Cable modem give RF interface to HFC network and network interface toward subscriber. Bandwidth at HFC network was limited cause of used subscriber who access several services. Traffic at cable modem's subscriber asymmetrically common. Traffic downstream bigger than traffic upstream, these common at internet traffic. Traffic downstream use frequency 6 Mhz and modulated with 64-QAM, traffic upstream use frequency 1,6 Mhz and modulated with QPSK.

There fore cable data network (cable modem) can connect subscriber to others at anywhere in global network, so that the network became bigger, complex, and dinamic, there was important a switching network system or network management system, in order to the network be care very well. One of the protocol that can used to manage the network communication was SNMP(Simple Network Management Protocol).