

Research on GPON passive optical network and its application on FTTH network at Thanh Hoa telecommunications center.

Do Huy Thong

Abstract: In the context of increasing demand for internet connectivity, this topic focuses on researching GPON (Passive Optical Network) and its application in the FTTH network system at the Thanh Hoa Telecommunications Center. The main objective is to enhance data transmission performance and reduce network operating costs. Through a combination of theoretical and experimental methods, this topic aims to identify optimal solutions for the FTTH network system at the local telecommunications center. The research results will significantly contribute to upgrading technical infrastructure and improving network services in Thanh Hoa.

Keywords: GPON, FTTH, passive optical network, Thanh Hoa Telecom, network management