The switch uses a PON optical module



Overview

The PON technology is based on the ITU-T G. PON transmits Ethernet, Asynchronous Transfer Mode (ATM), and Time Division Multiplexing (TDM) traffic. It consists of mainly two active transmission equipments, Optical Line Terminal (OLT) and Optical Network. A passive optical network (PON) or Gigabit Passive Optical Network (GPON) is a point-to-multipoint (P2MP) network that uses a combination of active transmission equipments and passive cable components to provide network connectivity to end user's devices. In practice, PONs are typically used for the last mile between Internet service providers (ISP) and their customers. In this use, a PON. XGS-PON (10-Gigabit Symmetrical Passive Optical Network) is an access standard defined by ITU-T G. 1, supporting symmetrical 10Gbps upstream and downstream transmission. As application demands diversify. The OLT serves as the starting point of a PON, connecting to the core switch via an Ethernet cable.

Article Content

Cisco Catalyst PON Series Switches Hardware Installation Guide

A Cisco Catalyst PON Series OLT carries abundant services and flexible network mode over one optical network, and is especially suitable for networks such as enterprise LAN, video

Passive optical network

A passive optical network (PON) is a fiber-optic telecommunications network that uses only unpowered devices to carry signals, as opposed to electronic equipment.

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PON transmits Ethernet, Asynchronous Transfer Mode (ATM), and Time Division Multiplexing (TDM) traffic. It consists of mainly two active transmission equipments, Optical Line Terminal (OLT) and

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