

# Does an OLT network require a core switch

This document describes the Gigabit Passive Optical Network (GPON) technology and how it functions.

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OLT (Optical Line Terminal) and switches are critical devices in optical communication networks, but their optical modules differ significantly in types, functionalities, and applications.

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The optical line terminal (OLT) is the starting point for the passive optical network. It is connected to a core switch through Ethernet pluggables. The primary function of the OLT is to convert, frame, and ...

In short: The OLT (Optical Line Terminal) is the central control unit of a Passive Optical Network (PON). It converts data signals, manages bandwidth, and connects hundreds of users over ...

An optical line termination (OLT), also called an optical line terminal, is a device which serves as the service provider endpoint of a passive optical network.

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1) The switches with XM60A are deployed in each region and connected to the GPON network. After registration, the switches should be able to communicate with the OLT via the GPON network. 2) ...

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