

Denmark OLT Replacement Aggregation Switch Technology



Overview

Our SDX 6000 Series of software-defined optical line terminals (OLTs) consists of open and disaggregated access devices that support a broad range of PON standards, including 10G Combo PON, XGS-PON, GPON, and 10G-EPON. Link aggregation aggregates multiple physical Ethernet ports into one logical link, also called an aggregation group. These devices are built using modern design principles and apply lessons learned. An aggregation switch is a network device that consolidates traffic from multiple access switches, wireless access points, or other edge devices and forwards it to core switches or routers. By bundling multiple network connections into a single high-bandwidth link, aggregation switches help. The EPon OLT 8 port ET0816-H is a high-performance 1U GPON OLT designed for fiber-to-the-home (FTTH) and fiber-to-the-building (FTTB) deployments. With 8 PON ports and 8 uplink interfaces (copper + SFP), this aggregation switch supports up to 512 ONUs, delivering carrier-grade reliability and. When selecting an SFP OLT (Small Form-factor Pluggable Optical Line Terminal), prioritize compatibility with your existing GPON or EPON infrastructure, ensure support for required wavelengths like 1490nm downstream and 1310nm upstream, and verify port density based on subscriber count 1. It integrates 16 XGS-PON ports, 8 10G SFP+ ports, and 2 40G/100G QSFP28 uplink ports.



Article Content

Feb 15, 2026

OLTS: Optical Line Termination Systems Guide

The OLT is the starting point for a PON, connected to an aggregation switch via Ethernet cables. In a system that combines PON and OLTS technologies, the OLT can support both GPON ...

Jan 16, 2026

What Is an Aggregation Switch and How to Choose?

Discover the role of aggregation switches. Explore differences between aggregation, access, and core switches, and choose the right model for your network.

Feb 11, 2026

Universal Aggregation and Access over 10G PON Transceivers

Build resilient connectivity with this weatherproof router, delivering reliable IP/MPLS and Carrier Ethernet access for MSOs, MNOs, and wholesale networks. Learn how the 5144 Router cost-effectively ...

Jan 15, 2026

SDX 6000 Series

Our SDX 6320-16 10G Combo PON OLT is a compact 1.5RU device that is compatible with any high-density aggregation system.

May 19, 2026

XGPL-16000

It integrates 16 XGS-PON ports, 8 10G SFP+ ports, and 2 40G/100G QSFP28 uplink ports, offering exceptional scalability and bandwidth aggregation for large-scale deployments.

Sep 26, 2025

Optical Network Terminal (ONT) Selection Guide

Compare GPON, XGS-PON, enterprise and FTTR master ONTs with clear decision rules. ZION's ONT selection guide shows how to match ONT ...

Oct 08, 2025

013-AS5812-54X_AS5812-54T-EdgeCOS DS R04 2020407

The AS5812-54X-EC/54T-EC switch is packed with features that bring high availability, comprehensive security, robust multicast control, and advance QoS to network aggregation, while maintaining simple ...

Apr 15, 2026

EPON OLT 8 Port | High-Capacity Fiber Aggregation Switch

With 8 PON ports and 8 uplink interfaces (copper + SFP), this aggregation switch supports up to 512 ONUs, delivering carrier-grade reliability and advanced traffic management for ISPs and network ...

Nov 22, 2025

H3C S3600 Series EPON OLT Switches Installation Manual-6W100 ...

Currently, the S3600 series EPON OLT switches only support Layer 2 aggregation groups, which are automatically generated as you create Layer 2 aggregate interfaces and these Layer 2 aggregation ...

Jan 23, 2026

How to Choose the Best SFP OLT for Your Network: A Complete ...

An SFP OLT can support GPON, EPON, or XG-PON depending on its transceivers and firmware. Do I need a separate switch with an SFP OLT? Typically yes. The OLT handles PON ...

Contact Us

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