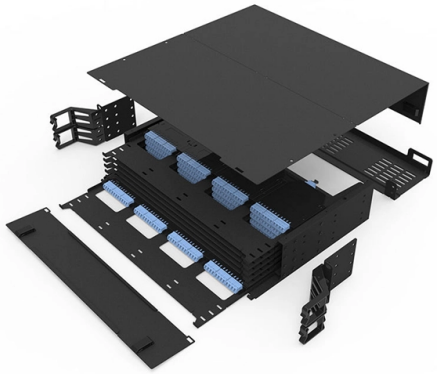
Epon optical module Huawei



Overview

XEBD is a 8-port 10G EPON interface card for Huawei OLT, providing 10G EPON service access from ONT. XEBD can maximum access 8*256 10G EPON subscribers.

Key Takeaways

Huawei EPON optical modules are high-performance transceivers designed for EPON OLTs, supporting 1. 25 Gbps to 10 Gbps data rates with standard downstream/upstream wavelengths.

Overview

Huawei EPO

N optical modules are used in Ethernet Passive Optical Networks (EPON) to connect Optical Line Terminals (OLTs) to Optical Network Units (ONUs), enabling high-speed data, voice, and video transmission over fiber networks. They are compatible with Huawei OLT boards such as the PX20+ and support both standard and 10G EPON deployments.

Key Specifications

Data Rate: Standard EPON modules typically support 1. 25 Gbps downstream and upstream, while 10G EPON modules can support 10 Gbps downstream and 1 Gbps upstream or symmetrical 10 Gbps transmission. Wavelengths: Standard EPON: 1490 nm downstream / 1310 nm upstream10G EPON: 1577 nm downstream / 1270 nm upstream Operating Temperature: -40°C to +65°C, with a minimum startup temperature of -25°C.

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Power Consumption: Varies depending on the board and load conditions; static power is measured with no active ports, while maximum power is measured under full load with partial POTS usage.

Compatibility and Usage

Huawei EPO

N modules are designed to work seamlessly with Huawei OLTs and ONUs, forming a point-to-multipoint optical access network.

The OL

T aggregates data from multiple ONUs through a 1: N Optical Distribution Network (ODN) using Time Division Multiple Access (TDMA) for upstream signals. These modules are also compatible with various Huawei PON boards, including MA5600T and MA5800 series.

Advantages

High reliability: Passive optical network design reduces electromagnetic interference and lightning damage. Flexible deployment: Supports both standard and 10G EPON networks. Scalable: Can accommodate multiple ONUs per OLT port, enabling efficient bandwidth distribution.

OEM/ODM options: Available from Huawei and compatible manufacturers for large-scale deployments.

Summary

Huawei EPO

N optical modules are essential components for building high-speed, reliable fiber access networks, offering flexible data rates, standard wavelengths, and broad compatibility with Huawei OLTs and ONUs. They are suitable for both residential and enterprise FTTH deployments, supporting efficient upstream and downstream data transmission over passive optical networks.

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HUAWEI EPON OLT PX20+ 10G EPON-OLT-PR30

Data Rate: Supports 10 Gbps symmetrical or asymmetrical transmission (e.g., 10G down / 1G up). Wavelength: Common wavelengths include 1577 nm

Huawei SFP Huawei EPON-OLT-PX20+ Optical Module

High quality Huawei SFP Huawei EPON-OLT-PX20+ Optical Module from China, China''s leading Huawei Access Network product, with strict quality control Huawei Access Network factories,

Huawei 8-port 10g Epon Olt Xebd Interface Service Board With Pr30

XEBD is a 8-port 10G EPON interface card for Huawei OLT, providing 10G EPON service access from ONT. XEBD can maximum access 8*256 10G EPON subscribers. Do you have any question about

Buy Huawei OLT EPON Module LTE4302P-BC+ PX20++ HXB Best

Overview Encapsulation Type: SFP For Huawei OLT MA5600T and MA5800 EPON board such as EPBC, EPBD, EPSD, EPFD, EPHF

01-09 PLUGGABLE MODULES FOR INTERFACES

Huawei routers must use Huawei-certified optical modules. Non-Huawei-certified optical modules cannot ensure transmission reliability and may affect service stability.

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EPON SFP Transceivers | GEPON OLT & ONU | PX20+ / PX20++ /

The EPON ONU SFP is a specialized module that contains the full chipset of an ONU (Optical Network Unit). It allows you to plug the module directly into a standard SFP port on a switch, router, or

OLT Buying Guide 2026 | How to Choose Optical Line

Learn how to choose the right OLT for your fiber network. This guide covers GPON vs EPON vs XGS-PON standards, port count selection, top

10G XGSPON Fiber Optic Transceiver Media Converter

10G XGSPON SFP+ Fiber Optic Transceiver, 10G EPON ONU Stick Module, SC UPC to APC, Single Mode, 1m, Compatible with Cisco, Huawei, Juniper, and

Mga Madalas Itanong (FAQ) tungkol sa Paglilisensya ng Huawei OLT

Ang pag-activate ng mga PON port sa mga Huawei OLT ay isang karaniwang punto ng kalituhan para sa mga network engineer at mga espesyalista sa pagkuha. Ang modelo ng paglilisensya ay hindi

Economic Watch: From optical modules to chips -

BEIJING, June 7 (Xinhua) -- With the global push for AI computing power unleashing an unprecedented wave of infrastructure buildout, China-made optical modules that shuttle data and the chips that

10GE SFP+ Optical Modules

This document provides an overall description of the CE12800 series switches hardware, helping you obtain detailed information about each chassis, power module, fan module, card, cable, and

Types of Optical Modules

Huawei S series devices support optical modules of the following encapsulation types: CFP, QSFP+, QSFP28, XFP, SFP, eSFP, and SFP+. All optical modules are hot swappable.

ODI 2.5G cat stick MA5671A PONStick GPON EPON dual-mode

ODI 2.5G cat stick with GPON EPON dual-mode optical module offers high-speed download speeds up to 1 Gbps. This Gigabit SFP transceiver includes a heat sink for enhanced performance, suitable for

Configuring Attributes of an EPON Interface

To enable the router to communicate with an upstream optical line terminal (OLT), you must correctly configure attributes of the EPON interface connected to the OLT.

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