

Huawei 5800 optical module model



Overview

The MA5800 multi-service access device is a 4K/8K/VR-ready OLT in the gigabit ultra-broadband era. It supports the PON/10G PON/50G PON/GE/10GE shared platform. The MA5800 adopts the distributed architecture and supports multi-media gigabit aggregation, optimal 4K/8K/VR video experience. Huawei's SmartAX MA5800 multiple-service access module employs a distributed architecture to support ultra-broadband, Fixed Mobile Convergence (FMC) services, and smart capabilities, such as SDN-based virtualization. MA5800's programmable Network Processor (NP) chip set accelerates the roll-out of. The Huawei MA5800 series is a family of high-performance Optical Line Terminals (OLTs) designed for next-generation Passive Optical Networks (PON). These OLTs are an essential part of the fiber-to-the-home (FTTH) infrastructure, delivering high-speed broadband services to residential, business, and. Huawei MA5800 optical module reference, Issue 35. Covers everything from SFP and eSFP all the way up to QSFP28 and the newer Symmetrical 50G-PON combo modules. Full specs, Tx/Rx power levels, wavelengths, connector types, transmission distances, the whole thing.



Article Content

Jun 22, 2026

Huawei SmartAX EA5800 Series OLT | Huawei Enterprise

The SmartAX EA5800 multi-service access device is an intelligent distributed aggregation OLT platform intended for enterprise customers. [Learn More.](#)

Oct 20, 2025

Huawei MA5800 Optical Module Specs and Reference Guide

Huawei MA5800 optical module reference, Issue 35. Covers everything from SFP and eSFP all the way up to QSFP28 and the newer Symmetrical 50G-PON combo modules.

Sep 03, 2025

Smart NG-OLT

—The Huawei SmartAX MA5800 The SmartAX MA5800 multi-service access module is the industry's first smart NG-OLT. As a next-generation OLT that employs a distributed architecture, MA5800

Apr 05, 2026

Huawei MA5800 X2 | OLT | 2x MPSC 10G, AC POWER

MA5800-X2 HUAWEI OLT Connect us ray@mriton INQUIRY BASIC INFO XGPON OLT MA5800 Series OLT SmartAX MA5800-X2 Optical Line terminal XGPON OLT MA5800 Product Description

Mar 15, 2026

MA5800-X17& X15& X7& X2 Product Datasheet

The MA5800 supports the PON combo technology, and can work with the built-in WDM1r optical module to support smooth evolution from GPON to XG(S)-PON.

Dec 17, 2025

Huawei EA5801E-GP08-GP16-GP04-Optical Access

Huawei OptiXaccess EA5801E-GP16 is a compact and low-density OLT that carries all services over a single fiber network, simplifying network architecture.

Nov 29, 2025

MA5800 | Access | OLT | FTTH | Huawei Enterprise

The product is designed to help ISPs build networks with larger bandwidths, higher speeds, and smarter connectivity to deliver better service experience.

May 15, 2026

SmartAX MA5800

The SmartAX MA5800 frame-shaped series is available in four models: MA5800-X17, MA5800-X15, MA5800-X7, and MA5800-X2. They are applicable in FTTB,

Oct 11, 2025

SmartAX MA5800 Datasheet

Huawei's SmartAX MA5800 multiple-service access module employs a distributed architecture to support ultra-broadband, Fixed Mobile Convergence (FMC) services, and smart capabilities, such as

Apr 25, 2026

MA5800 | Access | OLT | FTTH | Huawei Enterprise

Huawei SmartAX MA5800 Series The MA5800 multi-service access device is a 4K/8K/VR-ready OLT in the gigabit ultra-broadband era. It supports the PON/10G PON/50G PON/GE/10GE shared platform.

Mar 05, 2026

Huawei SmartAX MA5800 Support Guide, Manuals & PDF - Huawei

Find technical support resources for Huawei SmartAX MA5800, including product documentation, software downloads, and troubleshooting guides.

Dec 24, 2025

Huawei OLT 5800 01-09 Optical and Electrical Module

Huawei OLT 5800 01-09 Optical and Electrical Module - Free download as PDF File (.pdf), Text File (.txt) or read online for free.

Feb 17, 2026

How Do I Determine the Optical Modules and Cables Supported by a

To determine the optical modules supported by a switch, see the "Appearance and Structure" section of the specific chassis model under Chassis > Chassis Models in the CloudEngine 9800, 8800, 7800,

Jun 23, 2026

Huawei SmartAX EA5800 OLT Datasheet

Integrated Multiple Access Technologies The EA5800 supports multiple access technologies, such as GPON, XG-PON, XGS-PON and P2P. Thus it is possible to carry multiple services on one optical

Sep 08, 2025

Introduction to Huawei MA5800 OLT Series Models

With models ranging from the compact MA5800-X2 to the high-capacity MA5800-X17, Huawei MA5800 OLT ensures that service providers can

Oct 06, 2025

Introduction And Comparison Of Huawei MA5800 Series

First, based on the theoretical system of the EPON system, understand its working principle, analyze China Telecom's business requirements for optical line

May 17, 2026

Huawei EA5800-X2 10G GPON OLT for FTTH Networks

Huawei's SmartAX EA5800 Multi-service Access Module is designed to help clients build networks with greater bandwidth, higher speed, and smarter connectivity to

Mar 19, 2026

Huawei SmartAX MA5800 Learn About Solutions-Huawei

Solution Overview SingleFAN Pro Solution Brochure Huawei FTTH Network Solution V100R025C00-Brochure (25H2) FTTH Brochure 20211109 (video) Know About the Access Network in 3 Minutes

Dec 23, 2025

Huawei Smartax Ma5800 Series Olts

The document provides specifications for the Huawei SmartAX MA5800 Multi-service Access Module in four models - MA5800-X17, MA5800-X15, MA5800-X7, and MA5800-X2. The specifications include

Mar 05, 2026

Huawei OLT MA5800

Description: Original Huawei next-generation optical line terminal for FTTx networks, supporting GPON, 10G GPON, EPON, and multiple broadband services. The

Aug 05, 2025

SmartAX MA5800 Datasheet

The industry's first 40 Gbit/s-capacity Next-Generation Optical Line Terminal (NG-OLT). Huawei's SmartAX MA5800 multiple-service access module employs a distributed architecture to support ultra

Jun 20, 2026

MA5800 von Huawei

Das MA5800-Multiservice-Zugangsgerät ist ein 4K/8K/VR-fähiger OLT in der Ultra-Breitband-Gigabit-Ära. Er unterstützt die gemeinsame Plattform mit PON/10G PON/GE/10GE.

Dec 06, 2025

How Can I Determine Whether an Optical Module Is Officially

Therefore, you can check whether an alarm is generated to determine whether an optical module is officially delivered by Huawei. The following alarm is generated when an optical module

Oct 28, 2025

Displaying Optical Module Information

When certifying an optical module, Huawei comprehensively verifies the functions of the optical module to ensure the optical module quality. The functions include the installation and removal, transmit and

Sep 06, 2025

Introduction And Comparison Of Huawei MA5800 Series

What is the OLT? OLT: optical line terminal, used to connect fiber optic trunk terminal equipment. First, based on the theoretical system of the EPON system,

Jul 01, 2025

[huawei_ma5800_series_datasheet.pdf.pdf](#)

The Huawei SmartAX MA5800 is a next-generation optical line terminal (OLT) that supports ultra-broadband, fixed mobile converged services, and smart network

Contact Us

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