

# Huawei 80km optical module receives light



## Overview

Use an optical power meter to test the receive power of the port and check whether the optical fiber is disconnected. Use one optical fiber to form a loop on the port to check whether the port goes Up. The Huawei OSG080202 is a high-performance light transition module designed for long-distance communication. This ESFP module, operating at a wavelength of 1491nm for data transmission speeds up to 2.67Gbps, is engineered for reliability and superior performance with an output power range of -0dBm. Huawei has model XFP-10G-1550NM-80KM-SM optical module products, which can support 10G Ethernet transmission of 80KM in single-mode fiber, Moduletek Laboratory has tested the sample of this product, which is convenient for you to know more about the product's performance indexes and the effect of. Huawei SFP Module is a high speed transceiver module from Huawei, designed for LAN stack module applications. Check whether the information is consistent with the optical module specifications provided in the product documentation.



## Article Content

Aug 27, 2025

### 100G DWDM QSFP28 80 vs 120: Complete Comparison

Compare 100G DWDM QSFP28 80km vs 120km modules. Learn differences in optical budget, power, DCM requirements, and best applications.

Jul 02, 2025

### Optical Module Troubleshooting

Interfaces that use optical modules that are not certified for Huawei data center switches may be unable to go Up. If an optical module that is not certified for Huawei data center switches is used, replace it

Aug 09, 2025

### Huawei S-SFP-GE-LH80-SM1550 GE 1550nm 80km

Huawei S-SFP-GE-LH80-SM1550 Overview Introducing the Huawei S-SFP-GE-LH80-SM1550 Optical Transceiver. This eSFP single-mode module operates at

Jan 20, 2026

### Huawei OSG080202 2.67Gbps 1491nm 80km ESFP Optical Module

Extended transmission distance of up to 80km over single-mode fiber. Low power consumption design for energy efficiency and reduced operational cost. Robust LC connector

Aug 05, 2025

### Optical Module: Typical Optical Module Troubleshooting Procedure

Check the model of the faulty optical module. If it is not a Huawei-certified optical module, replace it with a Huawei-certified optical module. If the optical module is installed on a GE port, run the display

Feb 16, 2026

### Optical Module: An Optical Module Does Not Send Light Signals

The optical module is faulty. Use an optical power meter to test whether the transmit power of the optical module is normal. If not, replace the optical module.

Jun 26, 2026

### Troubleshooting for Optical Modules on Huawei Switch

Troubleshooting for Optical Modules on Huawei Switch Many friends feedback that one problems occurred when using optical modules on switches, now we are

Apr 19, 2026

Huawei 10G-80km-SFP+ OSX080N07 Gray Optical Module and Test

Buy Huawei 10G-80km-SFP+ Original OSX080N07 Gray Optical Module with Compatible Test Report Assured, Comprehensive Quality Assurance Procedure, at 15-Year Gold Supplier Thunder-link

Jul 29, 2025

Huawei Technical Support

This document provides technical details about 1Gbps eSFP Optical Modules, including specifications and support information.

Oct 20, 2025

Huawei GLC-TE1550-80km SFP Optical Transceiver

High-speed Huawei SFP transceiver module for telecom & data centers. Supports

Sep 27, 2025

1000BASE-ZX SFP 80 km | Long-Distance 1550 nm

HOLIGHT 1000BASE-ZX SFP 80 km 1550 nm optical transceiver delivers high-speed Gigabit Ethernet over single-mode fiber with DDM and duplex

Mar 13, 2026

Typical Troubleshooting Cases of Optical Module

Use an optical power meter to check whether the receive power of the optical module is in the normal range. The receive power must be measured at the receive end of the optical fiber. If the receive

Jan 20, 2026

Typical Troubleshooting Cases of Optical Module

Check whether the information is consistent with the optical module specifications provided in the product documentation. (For details about the commands for querying port information, see the

Jul 24, 2025

Huawei OSG080208 2.67Gbps 80km LC Single Mode Light Module

Engineered to deliver reliable data transmission over long distances, it features an ESFP-1611NM-100M ~ 2.67Gbps bandwidth with an impressive range of -0dBm to -5dBm optical power, suitable for single

Apr 06, 2026

#### 100Gbps CFP2 Optical Module

This module can be interconnected only with Huawei 100Gbps-80km optical modules.  
5. The optical power read by the device is the average optical power, not the OMA optical power.

Jun 12, 2026

#### 10G 80KM SFP+/SFP-ZR Huawei Brand New Optical Transceiver

The 10G 80KM SFP+/SFP-ZR Huawei Optical Transceiver is a high-performance hot-swappable module designed for long-haul 10 Gigabit Ethernet and SDH/SONET.

Jun 13, 2026

#### Optical Module: Typical Optical Module Troubleshooting Procedure

Use an optical power meter to test the receive power of the port and check whether the optical fiber is disconnected. Use one optical fiber to form a loop on the port to check whether the port goes Up. If

Jul 05, 2025

#### 10 Gbit/s SFP+ Optical Modules

You can use different levels of 10 Gbit/s SFP+ optical modules only with 10 GE interfaces. The wavelength of these 10 Gbit/s SFP+ optical modules can be 850 nm, 1310 nm, or 1550 nm, and the

Feb 22, 2026

#### Huawei 100g-80km-1310nm --CFP optical modu

Huawei 100g-80km-1310nm --CFP optical modu Product description: Huawei 100g-80km-1310nm --CFP optical modu INQUIRY HUAWEI 100g-80km-1310nm --CFP

Feb 18, 2026

#### 10 Gbit/s SFP+ Optical Modules

10 Gbit/s SFP+ optical modules apply to 10 GE optical ports. The wavelength can be 850 nm, 1310 nm, or 1550 nm, and the transmission distance ranges from 0.5 km (0.31 mi) to 80 km (49.71 mi).

Mar 21, 2026

#### Huawei XFP-10G-1550NM-80KM-SM Optical Module Sample Report

Huawei XFP-10G-1550NM-80KM-SM optical module supports 80KM link length on 10G standard single-mode fiber (SMF) G.652. The official key parameters and the physical appearance of

Jul 14, 2025

How Do I Ensure that the Transmit and Receive Optical Power of an ...

The low transmit optical power may be caused by contamination of the optical module. For example, dust is accumulated on bores of the optical module. Use a cotton swab to clean the

Mar 30, 2026

Huawei 02310PVU Datasheet

Huawei 02310PVU Datasheet Huawei Optical Transceiver OSX080N04 (SFP+, 1550nm, 9.953~10.3125Gb/s, 0~4dBm, -24dBm, LC, SM, 80km)

Jul 21, 2025

10 Gbit/s SFP+ Optical Module

HUAWEI AntiDDoS8000 V500R005 Hardware Description 10 Gbit/s SFP+ Optical Module You can use different levels of 10 Gbit/s SFP+ optical modules only with 10 GE interfaces.

Dec 04, 2025

What Is an Optical Module and Its FAQs

Describes what an optical module is and FAQs, including the fundamentals, appearance and structure, key performance counters, common types, and naming conventions of optical modules, causes of

## Contact Us

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