

Huawei Switch Optical Port Auto-Negotiation



Overview

This document introduces the auto-negotiation function and describes how to configure this function and rectify faults related to auto-negotiation. This document is applicable to all versions of all S series switches. Two. I'm trying to find an explanation for why when an optical gig port on an NE40 is configured with autoneg disabled, the interface still passes traffic without error, but causes the connected ADVA interface to show as down, while it is also passing all the traffic it is supposed to. Basically some of. The purchased products, services and features are stipulated by the contract made between Huawei and the customer. I'm now trying to connect a Server with a QNAP LAN-40G2SF-MLX card, a rebranded Mellanox ConnectX-3 Pro, to the switch. But neither the switch nor the server sets the link to UP.

Article Content

Aug 28, 2025

Solved Problem with a Huawei Switch

If you want to change the port speed of the QSFP28 from 100GB to 40GB, you have to run the command “undo assign port-type 100ge all” in the system-view. This will change the port ...

Jan 23, 2026

Understanding Auto-Negotiation

The auto-negotiation function provides an information exchange method for connected devices. After auto-negotiation is enabled, devices at both ends of a physical link can exchange information and ...

Jun 30, 2026

Checking the Interface Status and Configuration Parameters

If the auto-negotiation mode is used but the interface cannot go Up, set the same rate and duplex mode for both interfaces and test again. By default, the interface works as an electrical interface.

Apr 27, 2026

How To Check If Interconnected Optical Ports Cannot Go Up?

Ensure that the two GE optical interfaces work in the same negotiation mode, forcible or auto-negotiation. If the forcible mode is enabled, the two interfaces must have the same rate and ...

Jan 25, 2026

Configuring Auto-Negotiation

By default, auto-negotiation is enabled on GE optical interfaces and rate auto-negotiation is disabled. You can run the speed auto-negotiation command to enable rate auto-negotiation.

Dec 01, 2025

Configuring Auto-Negotiation

The auto-negotiation function provides an information exchange method for connected devices. After auto-negotiation is enabled, devices at both ends of a physical link can exchange information and ...

Jun 03, 2026

Why Does Auto-Negotiation Matter? Can This Protocol Prevent ...

Consider connecting a modern 10G-capable switch port to an older 100Mbps device. Through auto-negotiation, the switch will detect the older device's limitations and automatically step ...

Sep 22, 2025

Negotiation on 1000 optical interfaces

I'm trying to find an explanation for why when an optical gig port on an NE40 is configured with autoneg disabled, the interface still passes traffic without error, but causes the connected ADVA interface to ...

Oct 08, 2025

Configuring and Troubleshooting Auto-Negotiation

By default, auto-negotiation is enabled on GE optical interfaces and rate auto-negotiation is disabled. You can run the speed auto-negotiation command to enable rate auto-negotiation.

Aug 30, 2025

Configuring and Troubleshooting Auto-Negotiation

The auto-negotiation function provides an information exchange method for connected devices. After auto-negotiation is enabled, devices at both ends of a physical link can exchange information and ...

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.chromadecksigns-eastrand.co.za>

Email: sales@chromadecksigns-eastrand.co.za

Phone: +32 2 318 5792

Address: Avenue Louise 500, 1050 Brussels, Belgium

This document is for informational purposes only. Specifications subject to change without notice.

