

How to use Huawei's 10 Gigabit network splitter



Article Overview

Huawei switches allow high-bandwidth ports (40GE or 100GE) to be split into multiple 10GE interfaces using the port split function, enabling flexible connections to multiple devices.

Supported Hardware

Not all Huawei switch ports support interface splitting. Typically:

- 40GE interfaces on cards like EH1D2L08QX2E, ET1D2H02QX2E, and LST7L12QX6E0 can be split into four 10GE interfaces .
- 100GE interfaces on certain EE series cards can be split into ten 10GE interfaces or two 40GE interfaces, depending on the operating rate .
- For S300, S500, S2700, and S5700 series, only specific panels and cards support splitting 40GE or 100GE interfaces . Before attempting a split, verify your switch model and interface support on Huawei's support site.

Configuration Steps

- Check Current Port Split Status Use the command: `display port split` This shows which high-bandwidth ports are currently split .
- Split a 40GE Port into Four 10GE Ports Enter system view and run: `port split dimension interface 40GE1/0/1 split-type 4*10GE` Replace 40GE1/0/1 with your interface ID .
- Reversing the Split To restore the original 40GE interface:...

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