

Which ports on the CE6881 do not support optical modules



Article Overview

On the CE6881, ports outside 13–16 and 25–28 have limitations with certain optical modules, and some 10GE ports do not support specific optical module types.

Ports with Optical Module Limitations

- 10GE Ports 13–16 and 25–28: These ports can support GE optical modules, but after installation, the speed must be manually set to 1000 Mbit/s using the speed 1000 command. All four ports in each group are switched together, meaning configuring one port affects the others .
- Other 10GE Ports: All other 10GE ports can automatically adapt to optical modules, but they do not support OSXD22N00 or LE2MXSC80FF0 optical modules .
- Copper vs Optical: GE copper modules are supported on 10GE ports with full-duplex operation, but half-duplex is not supported. 10GE copper modules are supported in later software versions (V300R024C10 and above) and can operate at 100M/1000M/10GE .

Key Notes

- 40GE/100GE QSFP28 Ports: These uplink ports support optical modules at 40 Gbit/s or 100 Gbit/s. After splitting, only 1-to-4 optical modules or AOCs are supported; high-speed copper cables are not supported .
- Management and Console Ports: The ETH management port (RJ45), console port, and USB ports do not support optical modules as they are intended for configuratio...

Article Content

Jun 05, 2026

Datasheet

Typical heat dissipation [BTU/hour] 194 W (100% throughput, SFP+ high-speed cables on 48 ports and QSFP28 high-speed cables

Oct 10, 2025

CloudEngine 6800 Series Data Center Switches

Product Overview Huawei CloudEngine 6800 (CE6800) series switches are next-generation 10G Ethernet switches designed for data

Dec 10, 2025

Huawei CE5800, CE6800, CE7800, CE8800, CE9800, XH8000 and

CloudEngine 58& 68& 78& 88& 98 Series CE6881-48S6CQ: Access product manuals, HedEx documents, product images and visio

Sep 11, 2025

CloudEngine 6881 Series Data Center Switches Data Sheet

The management port, fans, and power modules are on the front panel, which facilitates device maintenance. Data ports are located

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Huawei CloudEngine 6881 Switch Datasheet

CloudEngine 6881 series provide up to 6 x 100GE QSFP28 ports. Each QSFP28 port can also be used as one 40GE QSFP+ port,

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CloudEngine 6881 series provide up to 6 x 100GE QSFP28 ports. Each QSFP28 port can also be used as one 40GE. QSFP+ port,

May 01, 2026

CE6881H-48T6CQ

CloudEngine 9800, 8800, and 6800 Series Switches Hardware Description (V300) This document provides an overall description of

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CloudEngine 6881 Series Data Center Switches Data Sheet

Datasheet Huawei CloudEngine 6881 Switch Datasheet Huawei CloudEngine 6881 series switches have advanced hardware

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CE6881H-48T6CQ-K

This document provides an overall description of the CE6800& 8800& 9800 series switches hardware that V300R020C00 and later

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CE6881-48T6CQ

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CloudEngine 9800, 8800, 6800, and 5800 Series Switches Hardware Description (V200R020C00 and later versions) This document

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The power modules and fan modules used in the switch must have the same airflow direction. Power modules with different airflow

Nov 01, 2025

Huawei CloudEngine 6881-48S6CQ6881-48T6CQ Data Center Switch

The management port, fans, and power modules are on the front panel, which facilitates device maintenance. Data ports are located

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Huawei CE5800, CE6800, CE7800, CE8800, CE9800, XH8000 and

(Video) Restoring the Console Port Login Password - CloudEngine Series Switches
(Video) Applying for a License on the Website -

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CloudEngine 6881 Data Center Switches

Each QSFP28 port can also be used as one 40GE QSFP+ port, providing flexibility in networking. The uplink 40GE/100GE ports can

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If a switch is installed with the power supply side facing the front and the port side facing the back, the switch needs to adopt fan

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CloudEngine 6881 Series Data Center Switches Data Sheet

CloudEngine 6881 series support Ansible-based automatic configuration and open-source module release, expanding network

Nov 19, 2025

CloudEngine 6881 Series Data Center Switches Data Sheet

CloudEngine 6881 series support NETCONF and can work with Huawei iMaster NCE-Fabric. CloudEngine 6881

Contact Us

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