Supported Hardware Components

This chapter contains information about the supported hardware components on the Cisco Catalyst 9800-40 Wireless Controller.

Supported Transceivers

The Cisco Catalyst 9800-40 Wireless Controller supports the following small form-factor pluggable (SFP) and CPAK optical transceiver types:

Table 1: Supported SFP+ Transceiver

PID	Description
SFP-10G-SR	10GBASE-xx SFP
SFP-10G-LR	
SFP-10G-ER	
SFP-10G-ZR	

For more information about the supported SFP+ transceivers, see the datasheet at https://www.cisco.com/c/en/us/products/collateral/wireless/catalyst-9800-series-wireless-controllers/nb-06-cat9800-wirel-cont-data-sheet-ctp-en.html

Power Supplies

The Cisco Catalyst 9800-40 Wireless Controller supports AC power supply. The modular chassis configurations support the installation of two power supplies for redundancy. When an external power supply fails or is removed, the other power supply provides power requirements for the chassis. This allows you to hot-swap the power supply without impacting the functionality of the controller.

Note A Cisco Catalyst 9800-40 Wireless Controller can support two AC power supplies.

The power supplies are used in a 1 + 1 redundant configuration. There is no input switch on the faceplate of the power supplies. A power supply is switched from Standby to On by way of a system chassis power switch.

The following table lists the power supplies that you can order:

Part Number	Power Supply
C9800-AC-750W-R	Cisco Catalyst 9800-40 Wireless Controller power supply module with plug-side intake airflow, AC, 750W

Note Platform related information can be obtained through a programmable interface using openconfig-platform model. However, power auditing per component is not supported.

Caution The chassis has a front-to-rear airflow. All the power supplies and fan modules in the chassis must use the same airflow direction or an error will occur with possible overheating and shut down of the controller. If you power up the controller with more than one airflow direction, you must power down the controller and replace the modules with the wrong airflow direction before powering up the controller.

Power Supply LEDs

The following table describes the power supply LEDs:

Table 2: AC Power Supply LEDs

Power Supply Condition	Green (OK) LED Status	Amber (FAIL) LED Status
No AC power to all power supplies	OFF	OFF
Power Supply Failure (includes over voltage, over current, over temperature and fan failure)	OFF	ON
Power Supply Warning events where the power supply continues to operate (high temperature, high power and slow fan)	OFF	1Hz Blinking
AC Present/3.3VSB on (PSU OFF)	1Hz Blinking	OFF
Power Supply ON and OK	ON	OFF

Power Supply Fans

The fans in the power supply module are used for cooling the power supply module itself while a system-level cooling is provided by fans within the chassis. The power supplies do not depend on the system-level fans for cooling. Fan-rotation sensors determine the fan failures

Note The fans in the Cisco Catalyst 9800-40 Wireless Controller power supplies have plug-side exhaust airflow.

Caution The chassis has a front-to-rear airflow. All power supplies and fan modules in the same chassis must use the same airflow direction or an error will occur with possible overheating and shut down of the controller.

If you power up the controller with more than one airflow direction, you must power down the controller and replace the modules with the wrong airflow direction before powering up the controller.

Note The fans in the power supply modules run when the power supply is plugged in, even if the power switch is in the standby position.