



Supported Hardware Components

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Supported EPA

The following table lists the supported EPA on the Cisco Catalyst CW9800M Wireless Controller .

PID	Description
EPA0	Four 1 GE/10 GE-ports that support small form-factor pluggable (SFP) optical transceivers to provide network connectivity. Ports are numbered 0 – 3. See the Supported SFP Transceivers section, for supported transceivers.
EPA1	Two 25 GE-ports that support small form-factor pluggable (SFP+) optical transceivers to provide network connectivity. Ports are numbered 0 - 2 in (TE0/1/0, 0/1/1, and 0/1/2 Bay 1) See the Supported SFP Transceivers section, for supported transceivers.

Supported SFP Models

The following table lists the supported SFP models [25GBASE] on the Cisco Catalyst CW9800M Wireless Controller

Table 1: Supported 25GBASE SFP Models

PID	Description
SFP-25G-SR-S	25GBASE-SR SFP28 Module for MMF

PID	Description
SFP-25G-ER-I	25GBASE-ER, SFP28 Industrial Temperature Module for SMF
SFP-10/25G-LR-I	10/25GBASE-LR Module for SMF
SFP-10/25G-LR-S	10/25GBASE-LR SFP28 Module for SMF
SFP-10/25G-CSR-S	10/25GBASE-CSR SFP28 Module for MMF
SFP-10/25G-BXD-I	10GBASE-LR, 10GBASE-BR10, 25GBASE-BR10 SFP28, Bidirectional, Industrial Temperature Module for SMF
SFP-10/25G-BXU-I	10GBASE-LR, 10GBASE-BR10, 25GBASE-BR10 SFP28, Bidirectional, Industrial Temp Module for SMF
SFP-H25G-CU1M	25GBASE-CR1 Copper Cable 1-meter
SFP-H25G-CU5M	25GBASE-CR1 Copper Cable 5-meter
SFP-25G-AOC1M	25GBASE-AOC Active Optical Cable 1-meter
SFP-25G-AOC2M	25GBASE-AOC Active Optical Cable 2-meter
SFP-25G-AOC3M	25GBASE-AOC Active Optical Cable 3-meter
SFP-25G-AOC5M	25GBASE-AOC Active Optical Cable 5-meter
SFP-25G-AOC7M	25GBASE-AOC Active Optical Cable 7-meter
SFP-25G-AOC10M	25GBASE-AOC Active Optical Cable 10-meter

Supported Transceivers

The Cisco Catalyst CW9800M Wireless Controller supports the following small form-factor pluggable (SFP) transceiver types:

Bay	Ports	Cisco Catalyst CW9800M Wireless Controller
Bay 0	4 X 1 GE/10 GE ports <ul style="list-style-type: none"> • Te0/0/0—1-GE SFP/ 10-GE SFP+ Port 0 • Te0/0/2—1-GE SFP/ 10-GE SFP+ Port 2 • Te0/0/1—1-GE SFP/ 10-GE SFP+ Port 1 • Te0/0/3—1-GE SFP/ 10-GE SFP+ Port 3 	SFP
Bay 1	2 X 25 GE ports <ul style="list-style-type: none"> • TwentyFiveGigE0/1/0—25-GE SFP+ Port 0 • TwentyFiveGigE0/1/1—25-GE SFP+ Port 1 	SFP+

Table 2: Supported SFP Transceiver (1000BASE)

PID	Description
GLC-LH-SMD	1000BASE-LX/LH SFP transceiver module, MMF/SMF, 1310nm, DOM
GLC-SX-MMD	1000BASE-SX SFP transceiver module, MMF, 850nm, DOM
GLC-TE	1000BASE-T SFP transceiver module for category 5 copper wire
GLC-ZX-SMD	1000BASE-ZX SFP transceiver module, SMF, 1550nm, DOM
GLC-BX-U	1000BASE-BX SFP, 1310nm
GLC-BX-D	1000BASE-BX SFP, 1490nm
GLC-EX-SMD	1000BASE-EX SFP, long-wavelength, DOM

Table 3: Supported 10GBASE SFP+ Transceiver

PID	Description
SFP-10G-SR	10-GB-SR SFP+ Module for MMF
SFP-10G-SR-S	10-GB-SR-S SFP+ Module for MMF

PID	Description
SFP-10G-SR-I	10-GB-SR-I SFP+ Module for MMF
SFP-10G-LR	10-GB-LR SFP+ Module for SMF
SFP-10G-LR-X	10-GB-LR SFP+ Module for Extended Temp range
SFP-10G-ER	10-GB-ER SFP+ Module for SMF
SFP-10G-ZR-I	10-BG-ZR-I SFP+ Module for industrial operating temperature
SFP-10G-T-X	10-GB-T Module with SFP+ form factor and an RJ-45 interface
SFP-10G-AOC1M	10-GB SFP+ model for AOC1M
SFP-10G-AOC2M	10-GB SFP+ model for AOC2M
SFP-10G-AOC3M	10-GB SFP+ model for AOC3M
SFP-10G-AOC5M	10-GB SFP+ model for AOC5M
SFP-10G-AOC7M	10-GB SFP+ model for AOC7M
SFP-H10GB-ACU7M	10-GB-CU SFP+ Cable 7 Meter, active
SFP-H10GB-ACU10M	10-GB-CU SFP+ Cable 10 Meter, active
SFP-H10GB-CU1M	10-GB SFP+ model for CU1M
SFP-H10GB-CU2M	10-GB SFP+ model for CU2M
SFP-H10GB-CU3M	10-GB SFP+ model for CU3M
SFP-H10GB-CU5M	10-GB SFP+ model for CU5M
SFP-H10GB-CU1-5M	10-GB SFP+ model for CU1-5M
SFP-H10GB-CU12-5M	10-GB SFP+ model for CU2-5M
Finisar-LR (FTLX1471D3BCL)	10-GB- LR-SFP+ Module for MMF
Finisar-SR (FTLX8574D3BC)	10-GB-SR SFP+ Module for MMF

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 CW9800M Wireless Controller supports one AC power supply always with a blank cover, or two AC power supplies. The modular chassis configurations support the installation of two power supplies

for redundancy. When a 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.

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
PWR-CH1-750WACR	Cisco Catalyst CW9800M Wireless Controller power supply module 750W AC Power



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

Power Supply LEDs

The following table describes the power supply LEDs:

Table 4: AC/DC 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	1 Hz Blinking
AC Present/12VSB on (PSU OFF)	1 Hz 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 CW9800M 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.
