



Supported Hardware Components

This chapter contains information about the supported hardware components on the .

- [Supported EPA, on page 1](#)
- [Supported SFP Models, on page 2](#)
- [Supported Transceivers, on page 4](#)
- [Power Supplies, on page 6](#)

Supported EPA

The following table lists the supported EPA on the Cisco Catalyst CW9800H1 Wireless Controller and the Cisco Catalyst CW9800H2 Wireless Controller.

PID	Description
EPA-8X1 GE or 10GE (Applies to both Cisco Catalyst CW9800H1 Wireless Controllers and the Cisco Catalyst CW9800H2 Wireless Controllers)	Eight 1 GE/10 GE-ports that support small form-factor pluggable (SFP+) optical transceivers to provide network connectivity. Ports are numbered 0 – 7. See the Supported SFP Transceivers section, for supported transceivers.
EPA-4X25 GE (Applies to Cisco Catalyst CW9800H1 Wireless Controllers only)	Four 25 GE-ports that support SFP optical transceivers to provide network connectivity. <ul style="list-style-type: none"> • Bay 1—3 X 25-GE SFP ports. The supported ports are: <ul style="list-style-type: none"> • TwentyFiveGigE0/1/0—25-GE SFP+ Port 0 • TwentyFiveGigE0/1/1—25-GE SFP+ Port 1 • TwentyFiveGigE0/1/2—25-GE SFP+ Port 2 • Bay 2—1 X25-GE SFP port. The supported port is TwentyFiveGigE0/2/0—25-GE SFP+ Port 0. See the Supported SFP Transceivers section, for supported transceivers.

PID	Description
EPA-2X40GE (Applies to Cisco Catalyst CW9800H2 Wireless Controllers only)	Two 40 GE-ports that support QSFP optical transceivers to provide network connectivity. The supported ports are: <ul style="list-style-type: none"> • Fo0/1/0—40-GE QSFP Port 0 • Fo0/1/1—40-GE QSFP Port 1

Supported SFP Models

The following table lists the supported SFP and QSFP models [25GBASE and 40GBASE] on the Cisco Catalyst CW9800H1 and CW9800H2 Wireless Controllers.

Table 1: Supported 25GBASE SFP Models on Cisco Catalyst CW9800H1 Wireless Controller

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

PID	Description
SFP-25G-AOC10M	25GBASE-AOC Active Optical Cable 10-meter

Table 2: Supported 40GBASE QSFP Models on Cisco Catalyst CW9800H2 Wireless Controllers

SFP Model	Description
QSFP-40G-SR4	40GBASE-SR4 QSFP Module for MMF
QSFP-40G-SR4-S	40GBASE-SR4 QSFP Module for MMF
QSFP-40G-SR-BD	40GBASE-SR Bi-Directional QSFP Module for Duplex MMF
QSFP-40G-CSR4	40GBASE-CSR4 QSFP Module for MMF
QSFP-40G-LR4-S	40GBASE-LR4 QSFP Module for SMF with OTU-3 data-rate support
QSFP-40G-LR4	40GBASE-LR4 QSFP Module for SMF
QSFP-40G-ER4	40GBASE-ER4 with OTU3 data rate support, 1310 nm, SMF
QSFP-H40G-CU1M	40GBASE-CR4 QSFP direct-attach copper cable, 1-meter, passive
QSFP-H40G-CU2M	40GBASE-CR4 QSFP direct-attach copper cable, 2-meter, passive
QSFP-H40G-CU3M	40GBASE-CR4 QSFP direct-attach copper cable, 3-meter, passive
QSFP-H40G-CU4M	40GBASE-CR4 QSFP direct-attach copper cable, 4-meter, passive
QSFP-H40G-CU5M	40GBASE-CR4 QSFP direct-attach copper cable, 5-meter, passive
QSFP-H40G-CUO-5M	40GBASE-AOC QSFP direct-attach Active Optical Cable, 1-meter
QSFP-H40G-AOC1M	40GBASE-AOC QSFP direct-attach Active Optical Cable, 1-meter
QSFP-H40G-AOC2M	40GBASE-AOC QSFP direct-attach Active Optical Cable, 2-meter
QSFP-H40G-AOC3M	40GBASE-AOC QSFP direct-attach Active Optical Cable, 3-meter
QSFP-H40G-AOC5M	40GBASE-AOC QSFP direct-attach Active Optical Cable, 5-meter

SFP Model	Description
QSFP-H40G-AOC7M	40GBASE-AOC QSFP direct-attach Active Optical Cable, 7-meter
QSFP-H40G-AOC10M	40GBASE-AOC QSFP direct-attach Active Optical Cable, 10-meter
QSFP-H40G-AOC15M	40GBASE-AOC QSFP direct-attach Active Optical Cable, 15-meter
QSFP-H40G-AOC20M	40GBASE-AOC QSFP direct-attach Active Optical Cable, 20-meter
QSFP-H40G-AOC25M	40GBASE-AOC QSFP direct-attach Active Optical Cable, 25-meter
QSFP-H40G-AOC30M	40GBASE-AOC QSFP direct-attach Active Optical Cable, 30-meter
QSFP-H40G-ACU7M	40GBASE-CR4 QSFP direct-attach copper cable, 7-meter, active
QSFP-H40G-ACU10M	40GBASE-CR4 QSFP direct-attach copper cable, 10-meter, active

Supported Transceivers

The Cisco Catalyst CW9800H1 and CW9800H2 Wireless Controllers support the following small form-factor pluggable (SFP) transceiver types:

Bay	Ports	Cisco Catalyst CW9800H1 and CW9800H2 Wireless Controllers
Bay 0	Ports TE0 – TE7 use 1 GE or 10 GE SFP+ <ul style="list-style-type: none"> • Te0/0/0—1-GE SFP/ 10-GE SFP+ Port 0 • Te0/0/1—1-GE SFP/ 10-GE SFP+ Port 1 • Te0/0/2—1-GE SFP/ 10-GE SFP+ Port 2 • Te0/0/3—1-GE SFP/ 10-GE SFP+ Port 3 • Te0/0/4—1-GE SFP/ 10-GE SFP+ Port 4 • Te0/0/5—1-GE SFP/ 10-GE SFP+ Port 5 • Te0/0/6—1-GE SFP/ 10-GE SFP+ Port 6 • Te0/0/7—1-GE SFP/ 10-GE SFP+ Port 7 	SFP+

Bay	Ports	Cisco Catalyst CW9800H1 and CW9800H2 Wireless Controllers
Bay 1 and Bay 2	Cisco Catalyst CW9800H1 Wireless Controller <ul style="list-style-type: none"> • TwentyFiveGigE0/2/0 - 25-GE SFP+ Port 0 TwentyFiveGigE0/1/0 - 25-GE SFP+ Port 0 • TwentyFiveGigE0/1/1 - 25-GE SFP+ Port 1 • TwentyFiveGigE0/1/2 - 25-GE SFP+ Port 2 Cisco Catalyst CW9800H2 Wireless Controller <ul style="list-style-type: none"> • Fo0/1/0 - 40-GE QSFP Port 0 • Fo0/1/1 - 40-GE QSFP Port 1 	<ul style="list-style-type: none"> • SFP • QSFP

Table 3: Supported SFP Transceiver on Cisco Catalyst CW9800H1 and CW9800H2 Wireless Controllers (1 GB)

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 4: Supported SFP+ Transceiver on Cisco Catalyst CW9800H1 and CW9800H2 Wireless Controllers (10 GB)

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

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

Power Supplies

The Cisco Catalyst CW9800H1 and CW9800H2 Wireless Controllers support two AC or DC power supply options. 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.



Warning Never install an AC power module and a DC power module in the same chassis.

Statement 1050

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-CHI-750WACR	Cisco Catalyst CW9800H1 Wireless Controller and Cisco Catalyst CW9800H2 Wireless Controller power supply module with 750W AC Power
PWR-CHI-950WDCR	Cisco Catalyst CW9800H1 Wireless Controller and Cisco Catalyst CW9800H2 Wireless Controller power supply module with 950W DC 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 5: 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	1 Hz Blinking
AC Present/12 VSB 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 CW9800H1 and CW9800H2 Wireless Controller power supplies have plug-side exhaust airflow.



Caution The chassis has a front-to-rear airflow. All of 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.



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.
