

Hardware Description

CloudEngine 8800, 7800, 6800, and 5800

This document provides an overall description of the CE5800&6800&7800&8800 series switches hardware, helping you obtain detailed information about each chassis, power module, fan module, card, cable, and optical module.

About This Document

Using the Hardware Query Tool and the Hardware Configuration Tool

> Chassis

Power Module

150 W AC Power Module (PAC-150WA)

150 W AC Power Module (ES0W2PSA0150)

350 W AC Power Module

350 W DC Power Module (PDC-350WA)

350 W DC Power Module (PDC350S12)

600 W AC Power Module (PAC-600WA)

600 W AC Power Module (PAC600S12)

600 W AC&240 V DC Power Module

600 W AC&240 V DC Power Module (PAC600S12)

600 W High-Voltage DC Power Module

600 W DC Power Module (PDC600S12)

1000 W DC Power Module (PDC1000S12)

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1200 W AC&240 V DC Power Module (PAC-1K2WA)

Version Mapping

1200 W AC&240 V DC power modules can receive AC inputs or 240 V high-voltage inputs. They are classified into two types depending on the airflow designs: PAC-1K2WA-B (B: back-to-front airflow, air exhaust on power module panel) and PAC-1K2WA-F (F: front-to-back airflow, air intake on power module panel).

Table 3-49 describes the mapping between switch models and 1200 W AC&240 V DC power modules.

Switch Model	PAC-1K2WA-B	PAC-1K2WA-F
CE8860-4C-EI	Supported in V100R006C00 and later versions	Supported in V100R006C00 and later versions
CE8850-64CQ-EI	Supported in V200R005C00 and later versions	Supported in V200R005C00 and later versions
CE8861-4C-EI CE8868-4C-EI	Supported in V200R005C10 and later versions	Supported in V200R005C10 and later versions
Other models	Not supported	Not supported

Appearance

Figure 3-45 shows the appearance of a PAC-1K2WA-B power module, and **Figure 3-46** shows the appearance of a PAC-1K2WA-F power module.

Translation

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1200 W AC&240 V DC Power Module (PAC-1K2WA)
1200 W High-voltage DC Power Module (PHD-1K2WA)
1200 W High-voltage DC Power Module (PHD1K2S12-DB)
1200 W DC Power Module (PDC-1K2WA)
> Fan Module
> Cards
> Cables
> Pluggable Modules for Interfaces

Figure 3-45 PAC-1K2WA-B power module



Figure 3-46 PAC-1K2WA-F power module



Function

PAC-1K2WA-B and PAC-1K2WA-F use different airflow designs but have the same functions. [Table 3-50](#) describes the functions of them.

Table 3-50 Functions of a 1200 W AC&240 V DC power module

Function		Description
Input protection	Input overvoltage protection and undervoltage protection	In either of the two protection states, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.
	Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.
Output protection	Output overvoltage protection	In this protection state, the power adapter stops supplying power intermittently. When the output voltage restores to the normal range, the power adapter automatically resumes power supply.
	Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
	Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.

Function	Description
Overtemperature protection	When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation	- PAC-1K2WA-B: back-to-front airflow - PAC-1K2WA-F: front-to-back airflow
Hot swap	Supported


NOTE

When a power module enters overtemperature protection state, take measures to lower its temperature. The power module can automatically resume power supply when the temperature falls within the normal range.

Panel

Figure 3-47 and Figure 3-48 show the panels of 1200 W AC&240 V DC power modules.

Figure 3-47 PAC-1K2WA-B panel

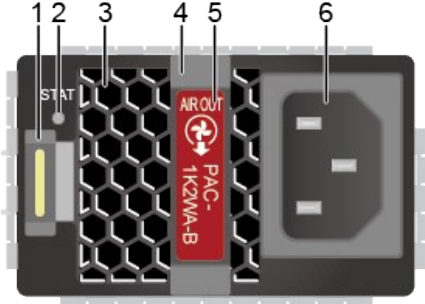
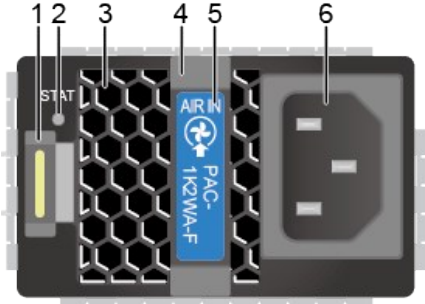


Figure 3-48 PAC-1K2WA-F panel



1. Lock	2. Indicator	3. Fan air vent	4. Handle NOTE: Each 1200 W AC&240 V DC power module is delivered with a velcro strap on the handle. This velcro strap is used to bundle the power cable to the handle.
5. Airflow flag 	6. Power socket	-	-

: back-to-front airflow 			
: front-to-back airflow			

Table 3-51 describes the indicator on a 1200 W AC&240 V DC power module.

Table 3-51 Indicator description

Indicator	Color	Status	Description
STAT: running status indicator	Green	Off	The power module receives no power input.
		Steady on	The power module is working normally.
		Blinking	The power module is in loading or standby state, or the power cable has been connected but the power module is not installed in the switch.
	Red	Steady on	- Fans of the power module fail. - The power module is in overtemperature protection state. - The power input is abnormal (input undervoltage or input overvoltage). - The power output is abnormal (output overcurrent, output short-circuit, or output overvoltage).

Specifications

Table 3-52 lists technical specifications of 1200 W AC&240 V DC power modules.

Table 3-52 Technical specifications

Item	PAC-1K2WA-B	PAC-1K2WA-F
Dimensions (W x D x H)	66.0 mm x 340.0 mm x 39.6 mm	
Weight	1.5 kg	
Rated AC input voltage range	100-130 V AC, 50/60 Hz and 200-240 V AC, 50/60 Hz	
Maximum AC input voltage range	90-290 V AC, 47-63 Hz	
Rated voltage range of 240 V high-voltage DC power input:	240 V DC	
Maximum voltage range of 240 V high-voltage DC power input:	188-290 V DC	

Item	PAC-1K2WA-B	PAC-1K2WA-F
Rated input current	• 10 A (100-130 V AC) • 8 A (200-240 V AC) • 8 A (240 V DC)	
Rated output current	• 67 A (100-130 V AC) • 100 A (200-240 V AC) • 100 A (240 V DC)	
Rated output voltage	12 V	
Rated output power	• 800 W (100-130V AC) • 1200 W (200-240V AC) • 1200 W (240 V DC)	
Part number	02311GLM	02311GLL



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