Hewlett Packard
Enterprise

Aruba 3810M Switch Power Supply Quick Setup Guide and Safety/Regulatory Information

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1 Aruba 3810M Switch Power Supply

There are three power supplies that can be installed in the 3810M switches:

- **Aruba X371 12VDC 250W 100-240VAC Power Supply (JL085A)**—A 250 watt power supply for the non-PoE switches. This power supply does not provide any PoE power, and is keyed so that it will *not* fit into the power supply slots of 3810M PoE+ switches.
- **Aruba X372 54VDC 680W 100-240VAC Power Supply (JL086A)**—A 680 watt power supply for 3810M PoE+ supported switches. Offers up to 370 watts of PoE+ power, and is keyed so that it will *not* fit into the power supply slots of non-PoE+ 3810M switches.
- **Aruba X372 54VDC 1050W 110-240VAC Power Supply (JL087A)**—A 1050 watt power supply for 3810M PoE+ supported switches. Offers up to 740 watts of PoE+ power, and is keyed so that it will *not* fit into the power supply slots of non-PoE+ 3810M switches.

△ **CAUTION:** Use only HPE Aruba approved power cords. See “Power cord information” (page 7) for proper power cord selection.

CAUTION: Disconnect AC power from the power supply BEFORE installing or removing the power supply. The power supply must NOT be connected to AC power while it is being installed or removed. The switch power supplies are hot-swappable; that is, a power supply that is disconnected from the power source can be installed or removed while the switch is receiving power from another power supply installed in the other power supply slot.

CAUTION: If a power supply must be removed and then reinstalled, wait at least five seconds before reinstallation. The power supply needs this time to dissipate any retained power. Install a cover plate on any power supply slot that is not in use.

CAUTION: A slot cover plate MUST be secured over any power supply slot that does not contain a fully installed power supply unit. This is required for proper air flow and thermal operation. Leaving a power supply slot uncovered can cause an over-temperature condition inside the switch that can result in the switch shutting down. During replacement of a power supply unit, it is acceptable to allow the slot to remain uncovered for up to two minutes in a switch connected to a power source.

CAUTION: Make sure the power source circuits are properly grounded, then use the power cord supplied with the power supply to connect it to the power source. If your installation requires a different power cord than the one supplied with the power supply, be sure the cord is adequately sized for the switch’s current requirements. In addition, be sure to use a power cord displaying the mark of the safety agency that defines the regulations for power cords in your country. The mark is your assurance that the power cord can be used safely with the power supply.

CAUTION: When installing the switch, note that the AC outlet should be near the switch and should be easily accessible in case the switch must be powered off.

CAUTION: Ensure the power supply does not overload the power circuits, wiring, and over-current protection. To determine the possibility of overloading the supply circuits, add together the ampere ratings of all devices installed on the same circuit as the switch with this power supply, and compare the total with the rating limit for the circuit. The maximum ampere ratings are usually printed on the devices near their AC power connectors.

CAUTION: Do not install the power supply into a switch that is in an environment where the operating ambient temperature might exceed 45°C (113°F).

CAUTION: Make sure the airflow around the sides and back of the switch is not restricted.

NOTE: If the 3810M Switch is configured with redundant power supplies, the switch will not suffer any loss of traffic or performance if a power supply fails, except for possible PoE reallocation on PoE+ switches. For more information, see Power over Ethernet (PoE/PoE+) Planning and Implementation Guide on the Hewlett Packard Enterprise Information Library at **www.hpe.com/networking/ResourceCenter**.

Performing a first-time power supply installation or replacing an installed power supply

NOTE: If you are replacing an existing power supply unit in an Aruba 3810M switch, see “To replace a failed power supply” (page 5).

To install a new power supply in an empty power supply slot

1. Remove the power supply slot cover plate if not already removed, and save it for possible future use.
2. Grasp the new power supply and squeeze the latch release handle.
3. Insert the new power supply. Slide it in all the way until the locking mechanism locks.

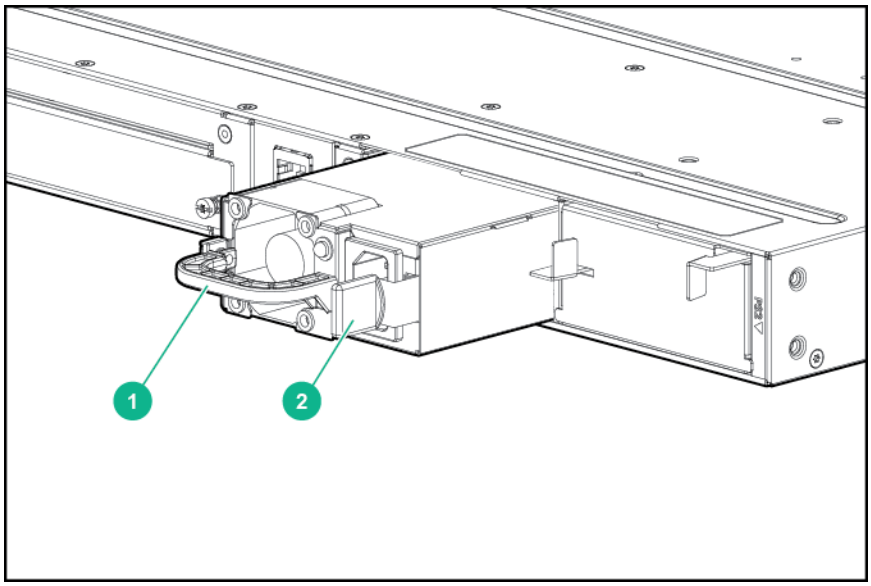


Table 1 Power Supply Label and Description

Label	Description
1	Power supply handle
2	Latch release handle

4. Connect the power supply to a power source.

To replace a failed power supply

NOTE: If you are performing a first-time installation of a power supply unit in an Aruba 3810M switch, see “To install a new power supply in an empty power supply slot” (page 4).

1. Remove AC power from the failed power supply.
2. Grasp the handle of the failed power supply, squeeze the latch handle to release the locking mechanism, and remove the failed power supply.

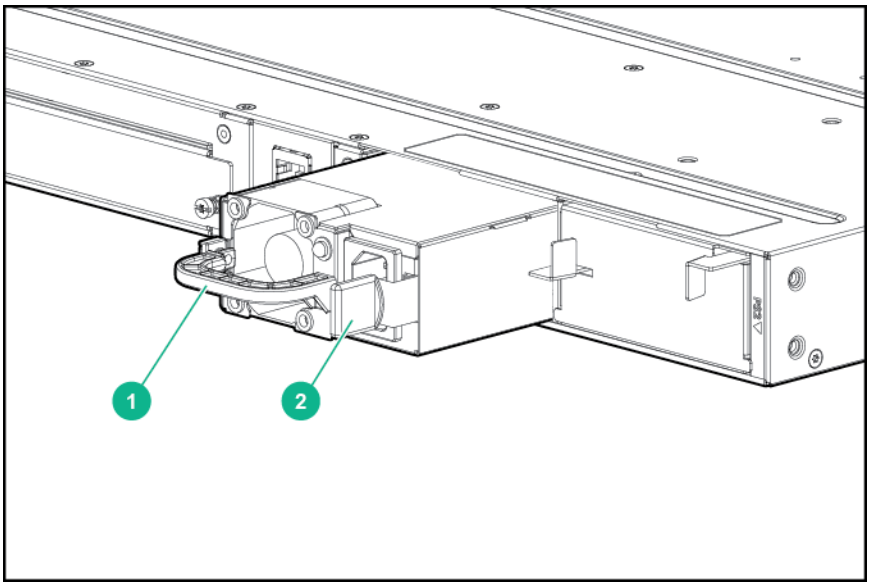


Table 2 Power Supply Label and Description

Label	Description
1	Power supply handle
2	Latch release handle

3. Insert the new power supply. Slide it all the way in until the locking mechanism latches.
4. Using an HPE-approved power cord, connect the new power supply to a power source.

Power Supply LED

If the power supply LED is blinking, the power supply unit may still be providing power to the switch. However, there is likely a failure in the power supply unit and replacing it is required. If the LED on a power supply unit is not illuminated, there may be either a loss of AC power or the power supply unit itself has failed and replacing it is required.

If the LED on a power supply unit is not illuminated, one of the following conditions exists:

- There is a loss of AC power to that power supply unit.
- The power supply unit itself has failed and replacing it is required.

Regulatory information

For important safety, environmental, and regulatory information, see *Safety and Compliance Information for Server, Storage, Power, Networking, and Rack Products*, available at **http://www.hpe.com/support/Safety-Compliance-EnterpriseProducts**.

Aruba 3810M Switch Safety and Regulatory Information

	Aruba 3810M Switches
Environmental • Operating Temperature:	0°C to 45°C (32°F to 131°F)
• Relative Humidity:	15% to 95% at 40°C (104°F) non-condensing
• Non-Operating Temperature:	-40°C to 70°C (-40°F to 158°F)
• Non-Operating Relative Humidity:	15% to 90% at 65°C (149°F)
• Maximum Operating Altitude:	3.0 km (10,000 ft)
• Non-Operating Altitude:	4.6 km (15,000 ft)
Safety-EU	EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011+A2:2013 EN62368-1, Ed. 2
Safety- World Wide	IEC60950-1:2005 Ed.2; Am 1:2009+A2:2013 IEC62368-1, Ed. 2 IEC60825:2007 (Applies to products with lasers)
North American	UL60950-1, CSA 22.2 No 60950-1 UL62368-1 Ed.2
Lasers	EN60850-1:2007 / IEC 60825-1: 2007 Class1 Class 1 Laser Products / Laser Klasse 1

	Aruba 3810M PoE+ Switches JL073A, JL074A, and JL076A	Aruba 3810M Non-PoE+ Switches JL071A, JL072A, and JL075A
Electrical • AC voltage: • Maximum current: • Frequency range:	Per JL086A power supply: 100V-240V 8A- 3.5A 50 -60 Hz	Per JL085A power supply: 100 - 240 VAC 3A -1.2A 50 - 60 Hz
	Per JL087A power supply: 110V-240V 12A- 5A 50 -60 Hz	

	Acoustics
Aruba 3810M 24G 1-slot Switch (JL071A)	Sound Power (LWAd) 3.9 Bel Sound Pressure (LpAm) (Bystander) 22.8 dB
Aruba 3810M 48G 1-slot Switch (JL072A)	Sound Power (LWAd) 3.8 Bel Sound Pressure (LpAm) (Bystander) 21.8 dB
Aruba 3810M 24G PoE+ 1-slot Switch (JL073A)	Sound Power (LWAd) 4.8 Bel Sound Pressure (LpAm) (Bystander) 30.7 dB
Aruba 3810M 48G PoE+ 1-slot Switch (JL074A)	Sound Power (LWAd) 4.2 Bel Sound Pressure (LpAm) (Bystander) 26.0 dB
Aruba 3810M 16SFP+ 2-slot Switch (JL075A)	Sound Power (LWAd) 3.9 Bel Sound Pressure (LpAm) (Bystander) 22.3 dB
Aruba 3810M 40G 8 HPE Smart Rate PoE+ 1-slot Switch (JL076A)	Sound Power (LWAd) 4.5 Bel Sound Pressure (LpAm) (Bystander) 27.9 dB

Power cord information

Power cords for Aruba 3810M PoE+ switches:

Aruba 3810M PoE+ Switches			
North America	8121-0973	Australia	8121-0857
North America high line	8121-0941	Brazil	8121-1265
South Africa/India	8121-1483	Europe/South Korea	8120-5336
Israel	8121-1009	China	8121-1034
United Kingdom/Hong Kong/Singapore/Malaysia	8120-5334	Argentina	8121-1481
Switzerland	8120-5339	Chile	8120-8389
Danish	8120-5340	Thailand/Philippines	8121-0671
Japan high line	8120-5338 (JL086A, JL087A)	Taiwan 15A	8121-1511 (JL086A, JL087A)
Japan low line	8120-5342	Taiwan 10A	8121-0967

Aruba 3810M PoE+ Switches			
	(JL086A)		(JL086A)

Power cords for Aruba 3810M Non-PoE+ switches:

Aruba 3810M Non-PoE+ Switches			
Argentina	8120-6869	Japan	8120-4753
Australia/New Zealand	8121-0834	Switzerland	8120-6815
Brazil	8121-1069	South Africa	8120-6813
Chile	8120-6980	Taiwan	8121-0974
China	8120-8707	Philippines/Thailand	8121-0668
Continental Europe/South Korea	8120-6811	UK/Hong Kong/Singapore/Malaysia	8120-6809
Denmark	8120-6814	US/Canada/Mexico	8121-0973
India	8121-0780	North America high line	8121-0941
Israel	8121-1035		

Table 3 Japan power cord warning

Japan Power Cord Warning	製品には、同梱された電源コードをお使い下さい。 同梱された電源コードは、他の製品では使用出来ません。

Table 4 China Altitude Warning

China Altitude Warning	
安全说明和标记	仅适用于海拔 2000m 以下地区安全使用。

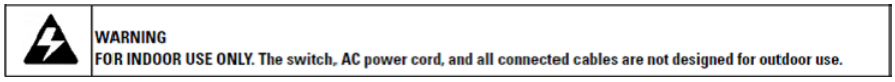
EAC

Russia/Belarus/Kazakhstan/CEE Safety:

Power supply instructions

⚠ **WARNING! During the installation, ensure that AC power is NOT connected to the Power Supply.**

For more information, see Power over Ethernet (PoE/PoE+) Planning and Implementation Guide on the Hewlett Packard Enterprise Information Library at **www.hpe.com/networking/ResourceCenter**.

Interior Wiring Warning	

Brazil Statement	Este equipamento deve ser conectado obrigatoriamente em tomada de rede de energia elétrica que possua aterramento (três pinos), conforme a Norma NBR ABNT 5410, visando a segurança dos usuários contra choques elétricos.)

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