Installation

Fully Managed Switch Port Cards

APM408C, APM408P, and APM408F

APM408C
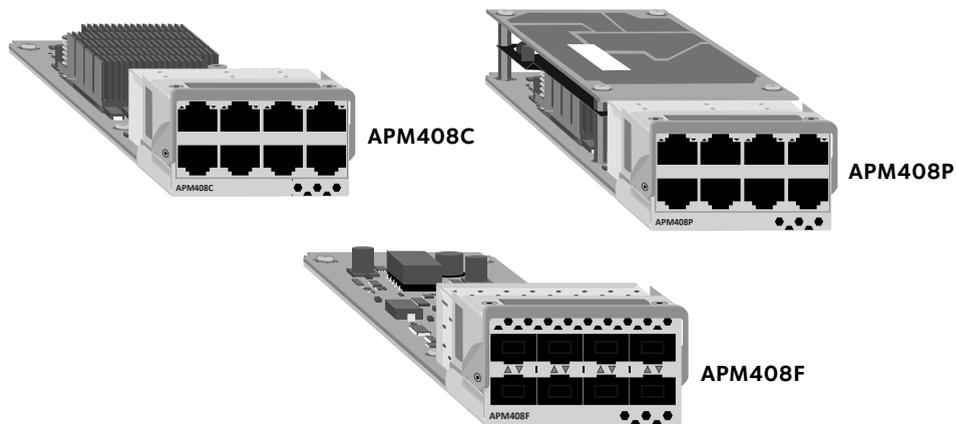
APM408P

APM408F

Package Contents

The following port cards are compatible with the M4300-96X switch:

- **APM408C**. Provides eight 100M/1G/2.5G/5G/10GBASE-T ports.
- **APM408P**. Provides eight 100M/1G/2.5G/5G/10GBASE-T PoE+ ports.
- **APM408F**. Provides eight 1G/10GBASE-X SFP+ ports that support 1G and 10G transceiver modules (GBICs) or direct attach cables (DACs).
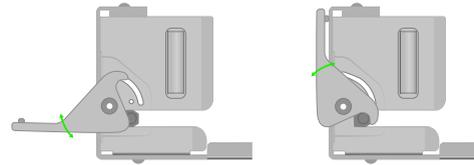
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Install a Port Card

The port cards are hot-swappable.

1. Locate an unused slot.

   In the M4300-96X switch, slots 1–6 support PoE/PoE+. You can install an APM408P port card in any slot, but the port card can provide PoE power only when it is installed in slots 1–6.

2. Pull down the handle on the port card.

3. Insert the port card into the slot, and gently push the port card into the slot.

   CAUTION: When inserting the port card, do not use unnecessary force. Doing so can damage the connectors on the back of the port card.

M4300-96X with APM408P port cards in PoE+ slots 1–6

APM408F port card (SFP+)
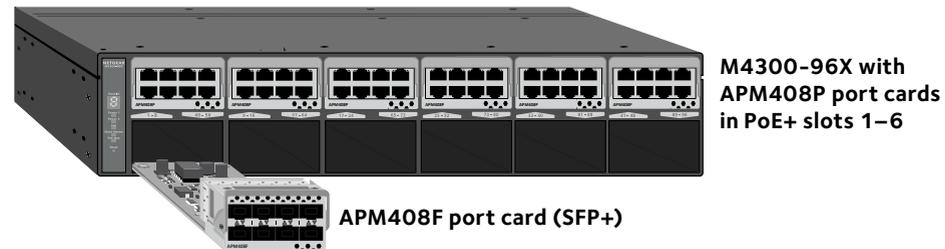
4. To secure the port card in the switch, lift the handle to the top of the port card.

   For information about the port LED behavior, see the table on the other side of this document.

Connect the Ports

For a copper port connection at 10 Gbps, use a Category 6 or better (Cat 6, Cat 6a, or Cat 7) cable. For fiber ports, use the fiber port cables and fiber modules in the following table.

NETGEAR Fiber Port Cables		NETGEAR 10G Fiber Modules	NETGEAR 1G Fiber Modules
AXC761 (1 m)	AXC7610 (10 m)	AXM761	AGM731F
AXC763 (3 m)	AXC7615 (15 m)	AXM762	AGM732F
AXC765 (5 m)	AXC7620 (20 m)	AXM764	AGM734
AXC767 (7 m)		AXM765	

Remove a Port Card

The port card is hot-swappable.

1. Release the handle on top of the port card.
2. Gently pull the port card out of the slot.

Specifications

Specification	Module
Standard	• **APM408C**. Multi-Gigabit 10GBASE-T IEEE802.3an, 5GBASE-T IEEE802.3bz, 2.5GBASE-T IEEE802.3bz, 100BASE-TX IEEE802.3u, 1000BASE-T IEEE802.3ab • **APM408P**. Multi-Gigabit 10GBASE-T IEEE802.3an, 5GBASE-T IEEE802.3bz, 2.5GBASE-T IEEE802.3bz, 100BASE-TX IEEE802.3u, 1000BASE-T IEEE802.3ab, IEEE 802.3at, IEEE802.3af • **APM408F**. SFF-8431, 10GBASE-SR/LR IEEE802.3ae, IEEE802.3aq, 1000BASE-X IEEE802.3z
Weight	• **APM408C**. 0.81 lb (369 g) • **APM408P**. 0.95 lb (430 g) • **APM408F**. 0. 67 lb (303g)
Dimensions (H x W x D)	1.46 in. x 2.64 in. x 8.27 in. (37 mm x 67 mm x 210 mm)
Operating temperature	32 to 122ºF (0 to 50ºC)
Operating relative humidity	90% maximum relative humidity
Operating altitude level	Less than 1.86 miles (3K) above sea level
Storage temperature	−4 to 158ºF (−20 to 70ºC)
Storage altitude level	Less than 9 miles (15 K) above sea level

LED Behavior

Port	Link/Speed/ACT LED Behavior
Multi-Gigabit 10GBASE-T	• **Solid green**. A 10 Gbps link without PoE is established. • **Blinking green**. 10 Gbps traffic is occurring without PoE. • **Solid yellow**. A 100 Mbps, 1000 Mbps, 2.5 Gbps, or 5 Gbps link without PoE is established. • **Blinking yellow**. 100 Mbps, 1000 Mbps, 2.5 Gbps, or 5 Gbps traffic without PoE is occurring. • **Solid blue**. A 10 Gbps link with PoE is established. • **Blinking blue**. 10 Gbps traffic with PoE is occurring. • **Solid purple**. A 100 Mbps, 1000 Mbps, 2.5 Gbps , or 5 Gbps link with PoE is established. • **Blinking purple**. 100 Mbps, 1000 Mbps, 2.5 Gbps, or 5 Gbps traffic with PoE traffic is occurring. • **Solid light blue**. The port is delivering PoE. No Ethernet link is established. • **Off**. No link is established and no PoE power is being delivered.
SFP/SFP+	• **Solid green**. A 10 Gbps SFP+ module link is established. • **Blinking green**. 10 Gbps traffic is occurring. • **Solid yellow**. A 1000 Mbps SFP module link is established. • **Blinking yellow**. 1000 Mbps traffic is occurring. • **Off**. No SFP+ module link is established.

Support

Thank you for purchasing this NETGEAR product. You can visit *www.netgear.com/support* to register your product, get help, access the latest downloads and user manuals, and join our community. We recommend that you use only official NETGEAR support resources.

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For the current EU Declaration of Conformity, visit *http://kb.netgear.com/11621*.

For regulatory compliance information, visit *http://www.netgear.com/about/regulatory/*.

See the regulatory compliance document before connecting the power supply.

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