



## Overview

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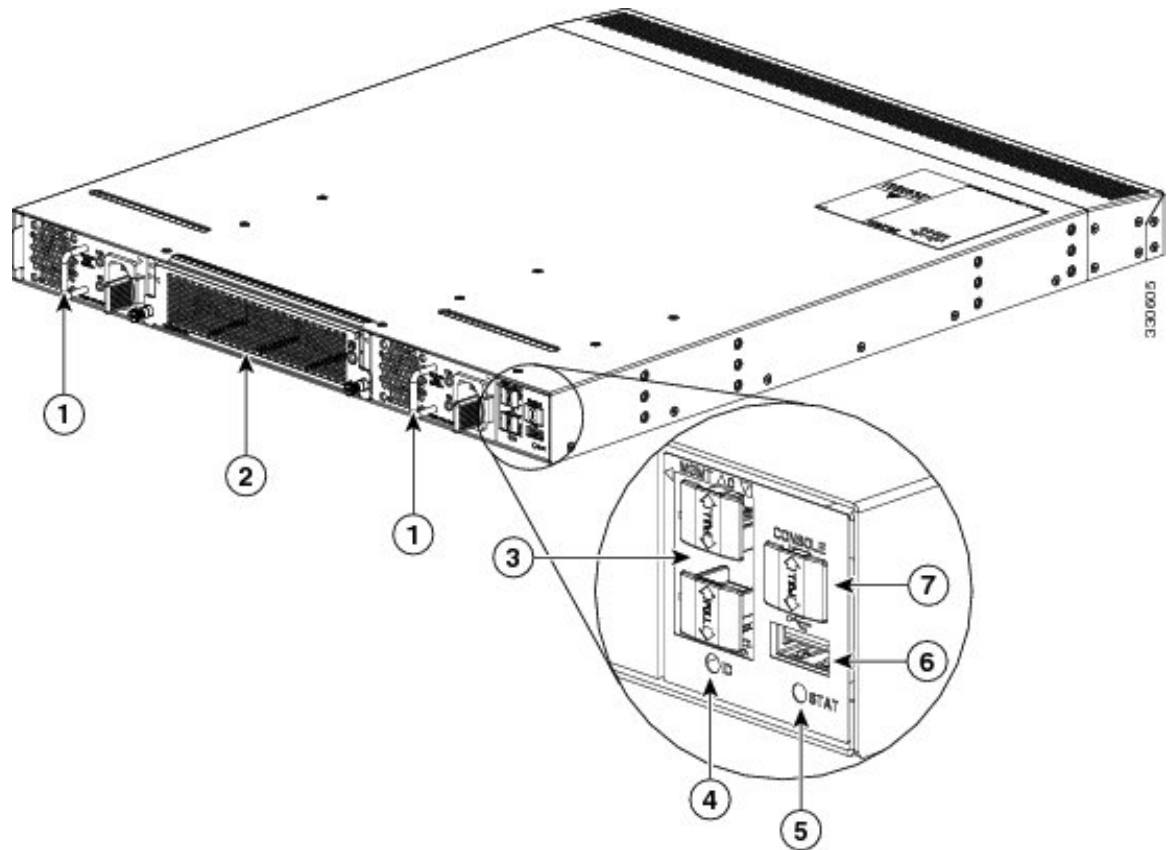
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## Overview of the Cisco Nexus 3016 Switch

The Cisco Nexus 3016 (N3K-C3016-40GE) is a 1 rack unit (RU) switch with 16 fixed 40-Gigabit Ethernet downlink (host-facing) and uplink (network-facing) ports, 2 fixed 100/1000 management ports, 1 RS-232 console port, and 1 USB port. This switch supports both port-side exhaust and port-side intake airflow schemes. The switch requires one AC or DC power supply for operations, but it can have a second power supply for redundancy. The switch includes Layer 3 license.

The following figure shows the fan-side chassis features that you use when installing the chassis or replacing its modules.

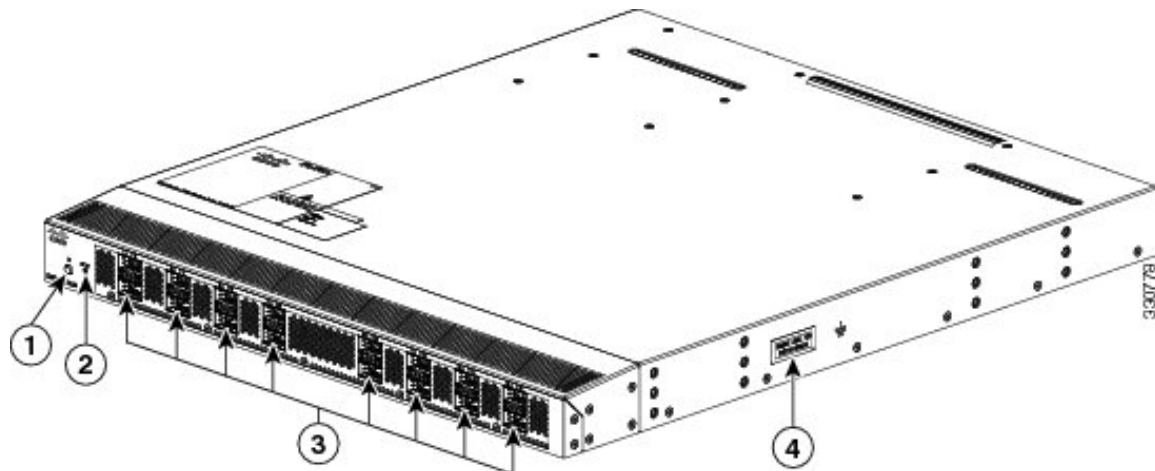
**Figure 1: Fan-Side View of the Cisco Nexus 3016 Chassis**



1	AC or DC power supply (1 or 2)	5	Status LED
2	Fan tray (1)	6	USB port (1)
3	Management ports (2)	7	Console port (1)
4	ID LED		

The following figure shows the port-side chassis features that you use when installing the chassis or replacing its modules.

**Figure 2: Port-Side View of the Cisco Nexus 3016 Chassis**



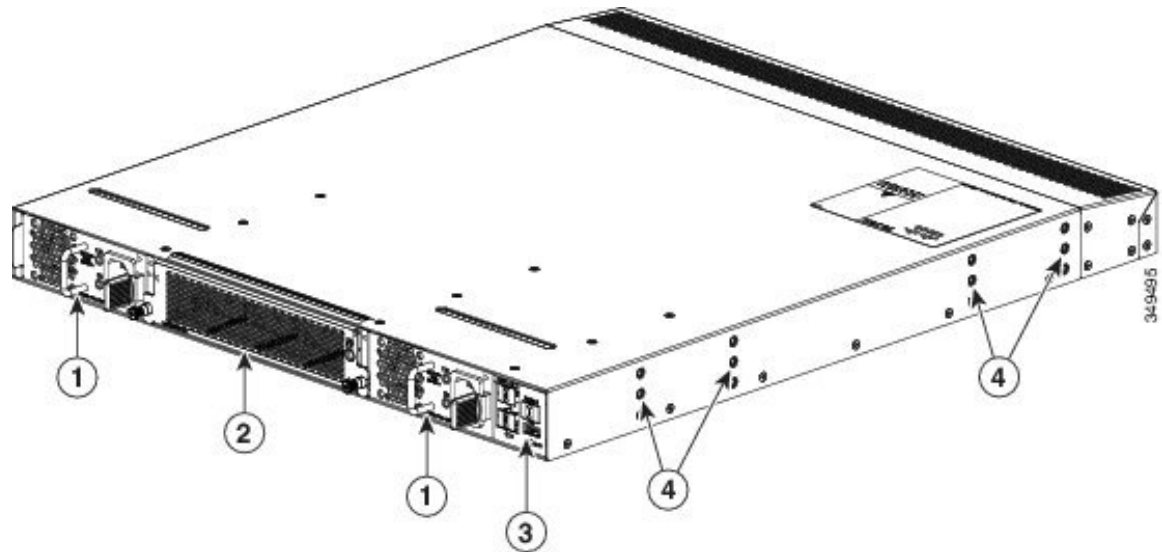
1	ID LEDs	3	40-Gigabit uplink or downlink ports (16)
2	Status LED	4	Grounding pad

## Overview of the Cisco Nexus 3048TP Switch

The Cisco Nexus 3048TP (N3K-C3048TP-1GE) is a 1 rack unit (RU) switch with 48 fixed 10/100/1000 Ethernet downlink ports, 2 fixed 100/1000 management ports, and 1 console port. This switch supports both port-side exhaust and port-side intake airflow schemes. The switch requires one AC or DC power supply for operations, but it can have a second power supply for redundancy.

The following figure shows the fan-side chassis features that you use when installing the chassis or replacing its modules.

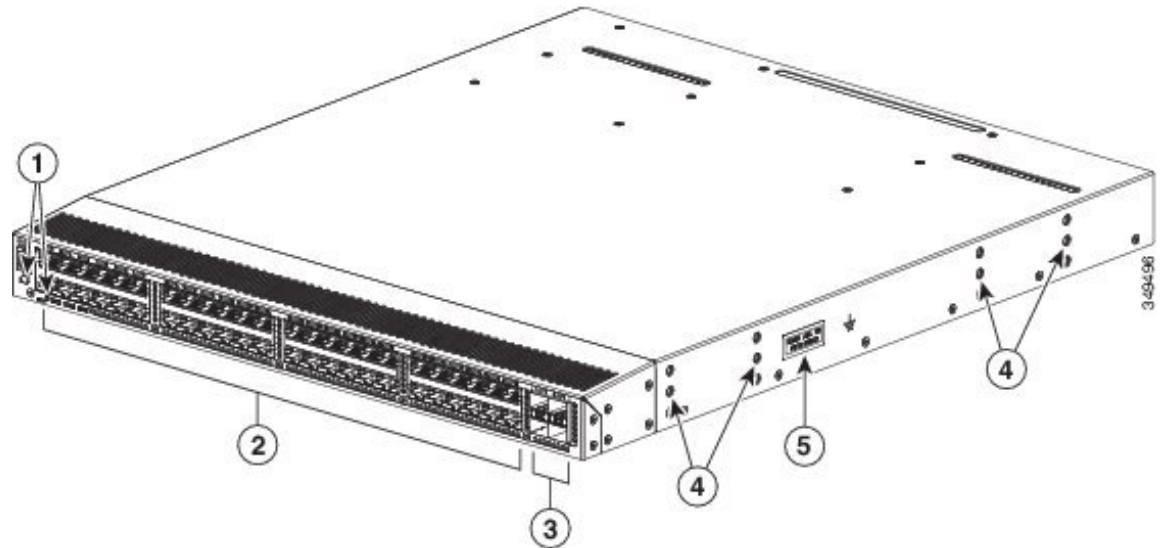
**Figure 3: Fan-Side View of the Cisco Nexus 3048TP Chassis**



1	AC or DC power supply (1 or 2)	3	Console, Management, and USB ports
2	Fan tray (1)	4	Screw holes for mounting brackets

The following figure shows the port-side chassis features that you use when installing the chassis or replacing its modules.

**Figure 4: Port-Side View of the Cisco Nexus 3048TP Chassis**



1	Selector switch and Status LED	4	Screw holes for mounting brackets
2	1- and 10-Gigabit Ethernet downlink ports (48)	5	Grounding pad
3	40-Gigabit Ethernet uplink ports (4)		

## Overview of the Cisco Nexus 3064 Switches

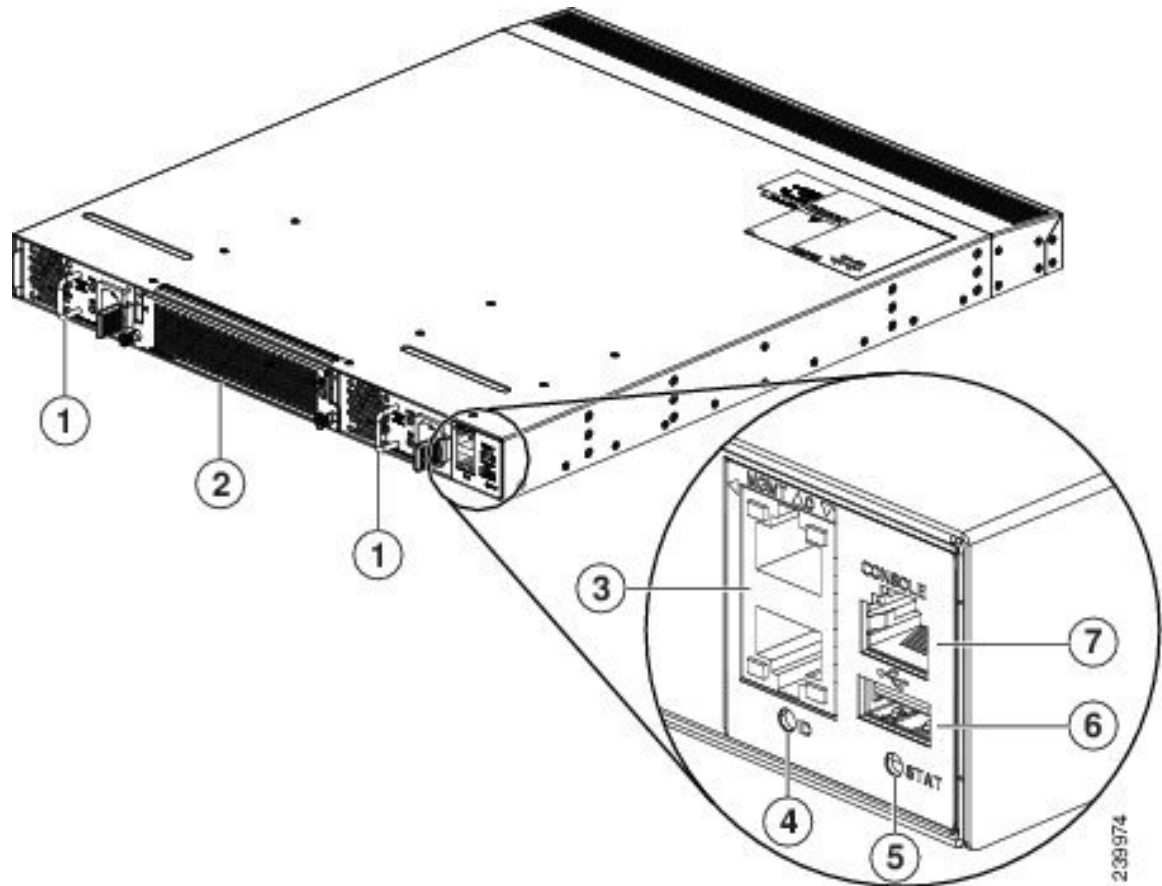
The Cisco Nexus 3064-T (N3K-C3064TQ) and 3064-32T (N3K-C3064TQ-32T) are 1 rack unit (RU) switches with 48 or 32 fixed 1- and 10-Gigabit Ethernet downlink and uplink ports, 2 fixed 100/1000 management ports, 1 console port.

The Cisco Nexus 3064-X (N3K-C3064TQ) is a 1 rack unit (RU) switch with 48 fixed 1- and 10-Gigabit Ethernet SFP+ downlink and 4 fixed 40-Gigabit Ethernet QSFP+ uplink ports (each capable of using 40-Gigabit or 4 x 10-Gigabit mode), 2 fixed 100/1000 management ports, 1 console port.

These switches support both port-side exhaust and port-side intake airflow schemes. These switches require one AC or DC power supply for operations, but can have a second power supply for redundancy.

The following figure shows the fan-side chassis features that you use when installing the chassis or replacing its modules.

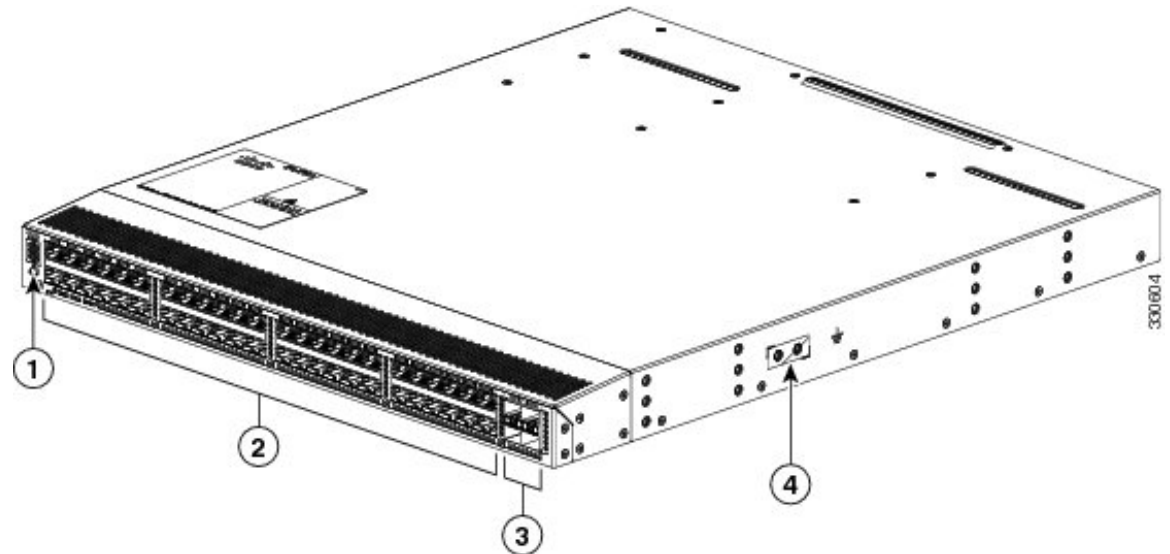
**Figure 5: Fan-Side View of the Cisco Nexus 3064 Chassis**



1	AC or DC power supply (2) (AC power supply shown)	5	Status LED
2	Fan tray (1)	6	USB port (1)
3	Management ports (2)	7	Console port (1)
4	ID LED		

The following figure shows the port-side chassis features that you use when installing the chassis or replacing its modules.

**Figure 6: Port-Side View of the Cisco Nexus 3064 Chassis**



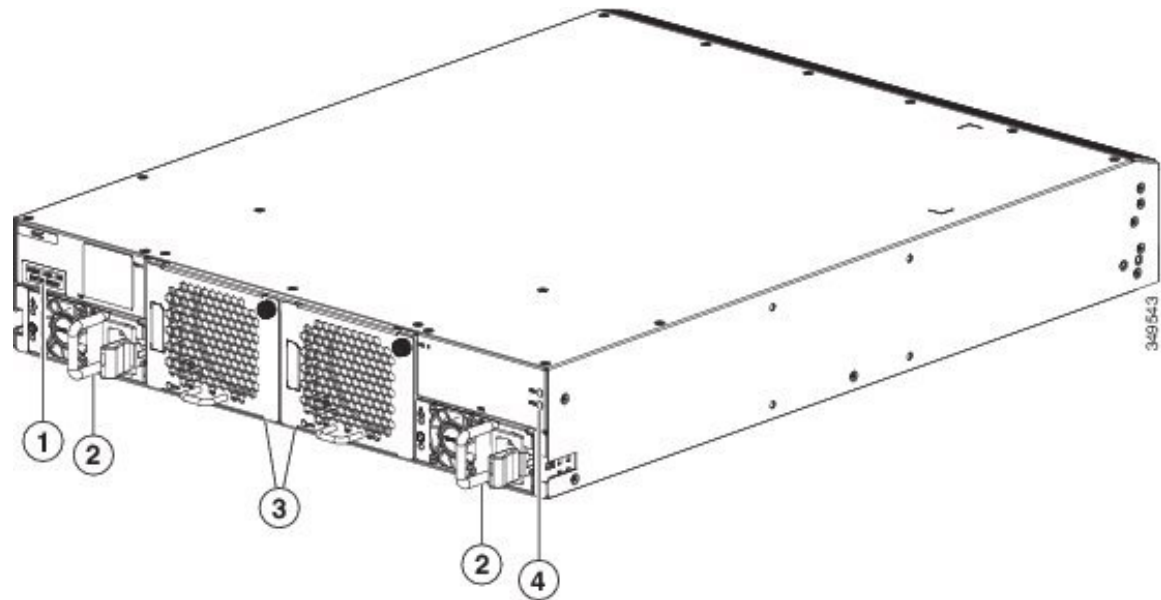
1	ID and Status LEDs	3	40-Gigabit uplink ports (4)
2	1- and 10-Gigabit Ethernet downlink ports (48)	4	Grounding pad

## Overview of the Cisco Nexus 31128PQ Switch

The Cisco Nexus 31128PQ (N3K-C31128PQ-10GE) is a 2 rack unit (RU) switch with 96 fixed 10-Gbps enhanced small form-factor pluggable (SFP+) ports and 8 fixed 40-Gbps quad small form-factor pluggable (QSFP+) ports, 1 management port, 1 console port, and 2 USB ports. This switch supports both port-side exhaust and port-side intake airflow schemes. The switch requires one AC or DC power supply for operations, but it can have a second power supply for redundancy.

The following figure shows the fan-side chassis features that you use when installing the chassis or replacing its modules.

**Figure 7: Fan-Side View of the Cisco Nexus 31128PQ Chassis**

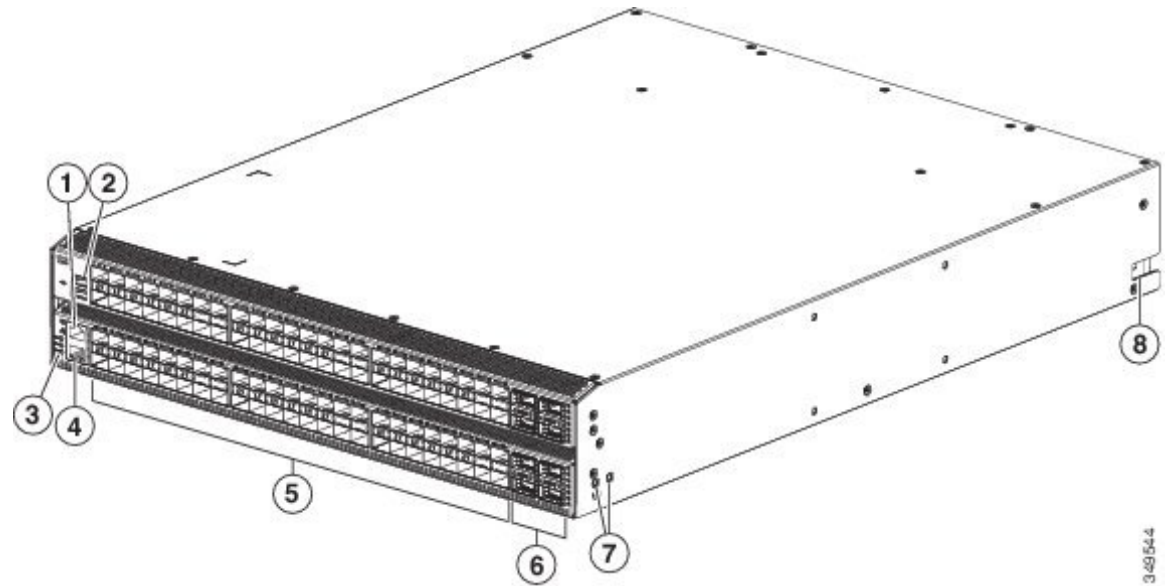


1	Grounding pad	3	Fan modules (2)
2	Power supply modules (2)	4	Beacon (BCN) and Status (STS) LEDs



The following figure shows the port-side chassis features that you use when installing the chassis or replacing its modules.

**Figure 8: Port-Side View of the Cisco Nexus 31128PQ Chassis**



1	Console port (1)	5	10-Gigabit SFP+ ports that can operate at 1 or 10 Gigabits (96)
2	USB ports (2)	6	40-Gigabit uplink ports (8)
3	Beacon (BCN), Status (STS), and Environment (ENV) LEDs	7	Screw holes for mounting brackets
4	Management port (1)	8	Notch in the chassis (2) (one each side) for locking into the bottom-support rails

## Overview of the Cisco Nexus 3132Q Switches

The Cisco Nexus 3132Q (N3K-C3132Q-40GE) is a 1 rack unit (RU) switch with 32 40-Gigabit enhanced quad small form-factor pluggable (QSFP+) ports and 4 SFP+ ports that are internally multiplexed with the first QSFP+ port. Each QSFP+ port can operate in native 40-Gigabit or 4 x 10-Gigabit modes.

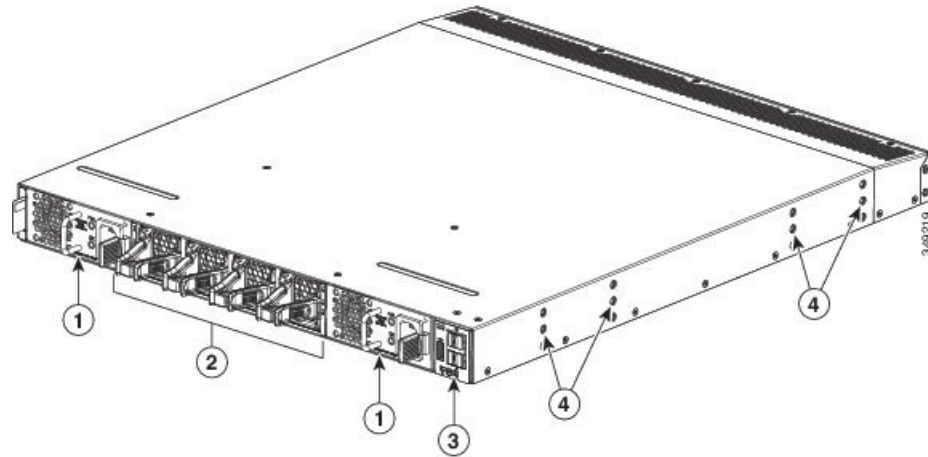
Cisco Nexus 3132Q-X (N3K-C3132Q-40GX) is a 1 rack unit (RU) switch with 32 40-Gigabit enhanced quad small form-factor pluggable (QSFP+) ports and 4 SFP+ ports that are internally multiplexed with the first QSFP+ port. Each QSFP+ port can operate in native 40-Gigabit or 4 x 10-Gigabit modes.

Cisco Nexus 3132Q-XL (N3K-C3132Q-XL) is a 1 rack unit (RU) switch with 8GB of RAM and dual-core 2.5GHz x86 CPUs and 32 40-Gigabit enhanced quad small form-factor pluggable (QSFP+) ports and 4 SFP+ ports that are internally multiplexed with the first QSFP+ port. Each QSFP+ port can operate in native 40-Gigabit or 4 x 10-Gigabit modes.

These switches support both port-side exhaust and port-side intake airflow schemes. These switches require one AC or DC power supply for operations, but can have a second power supply for redundancy.

The following figure shows the fan-side chassis features that you use when installing the chassis or replacing its modules.

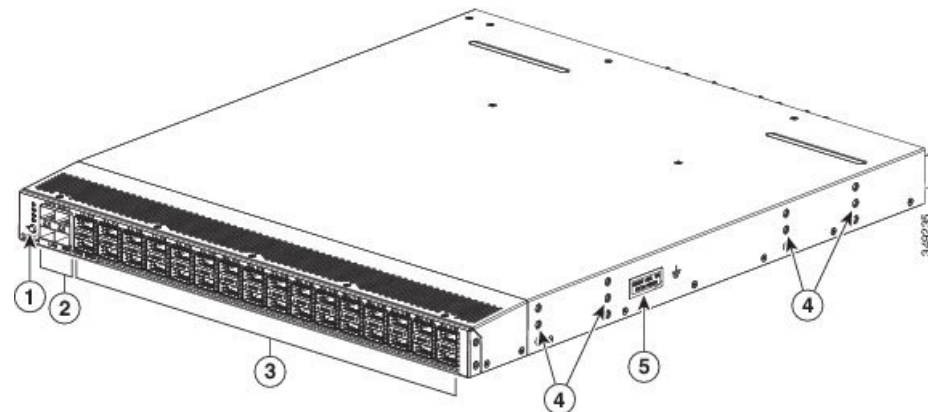
**Figure 9: Fan-Side View of the Cisco Nexus 3132 Chassis**



1	AC or DC power supply (1 or 2)	3	Console, Management, and USB ports
2	Fan modules (4)	4	Screw holes for mounting brackets

The following figure shows the port-side chassis features that you use when installing the chassis or replacing its modules.

**Figure 10: Port-Side View of the Cisco Nexus 3132 Chassis**



1	Selector switch, ID, and Status LEDs	4	Screw holes for mounting brackets
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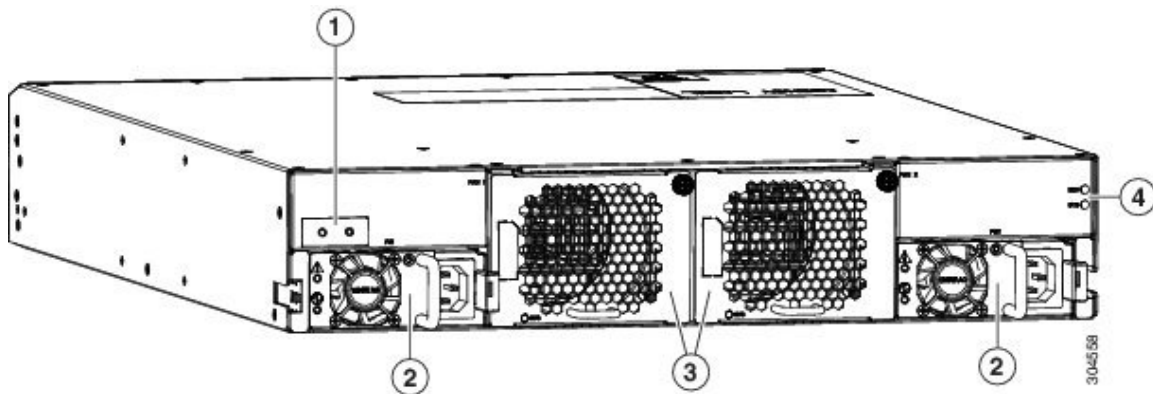
2	4 SFP+ ports (multiplexed internally to the first QSFP+ port)	5	Grounding pad
3	32 QSFP+ ports		

## Overview of the Cisco Nexus 3164Q Switch

The Cisco Nexus 3164Q (N3K-C3164Q-40GE) is a 2 rack unit (RU) switch with 64 fixed 40-Gigabit enhanced quad small form-factor pluggable (QSFP+) ports that can run in either 40-Gigabit native mode or 4 x 10-Gigabit mode, 1 RJ-45 management port, 1 RS-232 console port, and 1 USB port. This switch supports both port-side exhaust and port-side intake airflow schemes. The switch requires one AC or DC power supply for operations, but it can have a second power supply for redundancy.

The following figure shows the fan-side chassis features that you use when installing the chassis or replacing its modules.

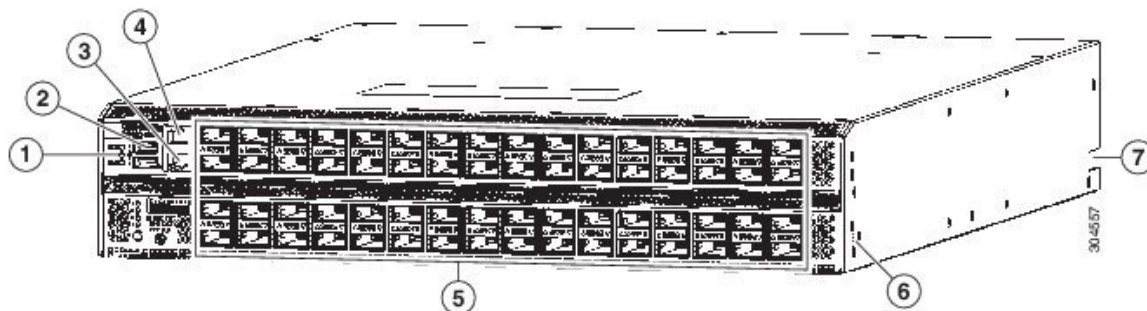
**Figure 11: Fan-Side View of the Cisco Nexus 3164Q Chassis**



1	Grounding pad	3	Fan modules (2)
2	Power supply modules (2)	4	Beacon (BCN) and Status (STS) LEDs

The following figure shows the port-side chassis features that you use when installing the chassis or replacing its modules.

**Figure 12: Port-Side View of the Cisco Nexus 3164Q Chassis**



1	Beacon (BCN), Status (STS), and Environment (ENV) LEDs	5	64 40-Gigabit QSFP+ ports
2	USB ports (2)	6	Screw holes for mounting brackets
3	Management port (1)	7	Notch in the chassis (2) (one each side) for locking into the bottom-support rails
4	Console port (1)		

## Overview of the Cisco Nexus 3172 Switches

The Cisco Nexus 3172PQ (N3K-C3172PQ-10GE) is a 1 rack unit (RU), 10-Gigabit enhanced small form-factor pluggable (SFP+)-based switch with 48 SFP+ ports and 6 Quad SFP+ (QSFP+) ports. Each SFP+ port can operate in 100-Mbps, 1-Gbps, or 10-Gbps mode, and each QSFP+ port can operate in native 40-Gbps or 4 x 10-Gbps mode.

The Cisco Nexus 3172PQ-XL (N3K-C3172PQ-XL) is a 1 rack unit (RU) switch with 8GB of RAM and dual-core 2.5GHz x86 CPUs and 10-Gigabit enhanced small form-factor pluggable (SFP+) ports with 48 SFP+ ports and 6 Quad SFP+ (QSFP+) ports. Each SFP+ port can operate in 100-Mbps, 1-Gbps, or 10-Gbps mode, and each QSFP+ port can operate in native 40-Gbps or 4 x 10-Gbps mode.

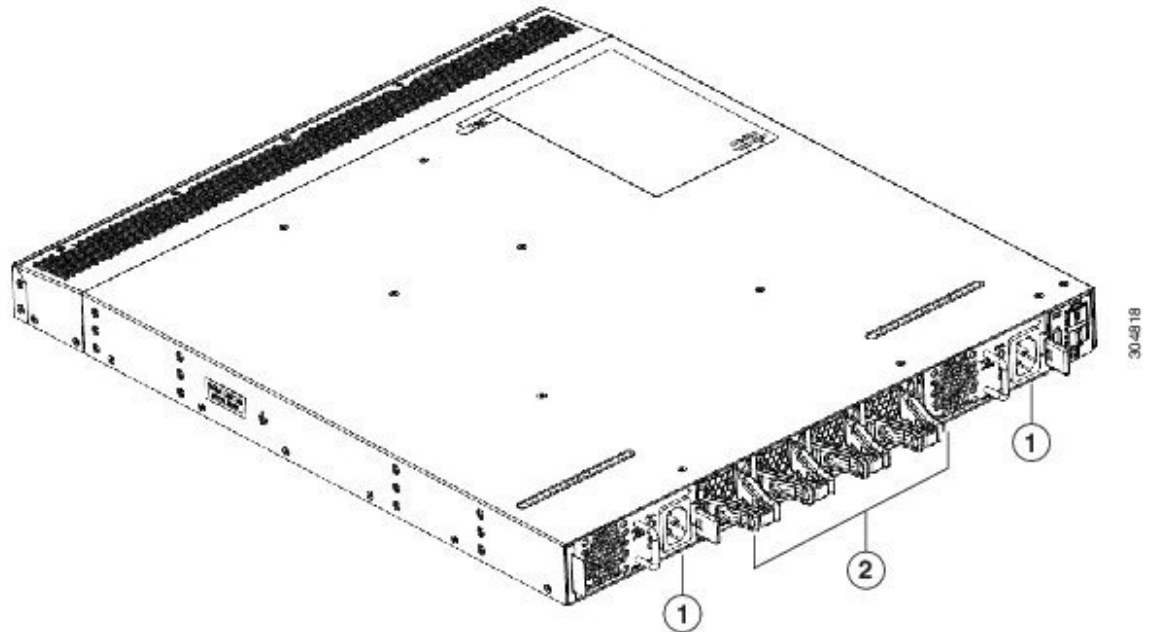
The Cisco Nexus 3172TQ (N3K-C3172TQ-10GT) is a 1 rack unit (RU), 10GBASE-T switch with 48 10GBASE-T RJ-45 ports (each port can operate at 100-Mbps and 1-Gbps speeds) and 6 Quad SFP+ (QSFP+) ports (each QSFP+ port can support 4 x 10 Gigabit Ethernet or 40 Gigabit Ethernet).

The Cisco Nexus 3172TQ-XL (N3K-C3172TQ-XL) is a 1 rack unit (RU) switch with 8GB of RAM and dual-core 2.5GHz x86 CPUs and 10GBASE-T with 48 10GBASE-T RJ-45 ports (each port can operate at 100-Mbps and 1-Gbps speeds) and 6 Quad SFP+ (QSFP+) ports (each QSFP+ port can support 4 x 10 Gigabit Ethernet or 40 Gigabit Ethernet).

These switches support both port-side exhaust and port-side intake airflow schemes. These switches require one AC or DC power supply for operations, but can have a second power supply for redundancy.

The following figure shows the fan-side chassis features that you use when installing the chassis or replacing its modules.

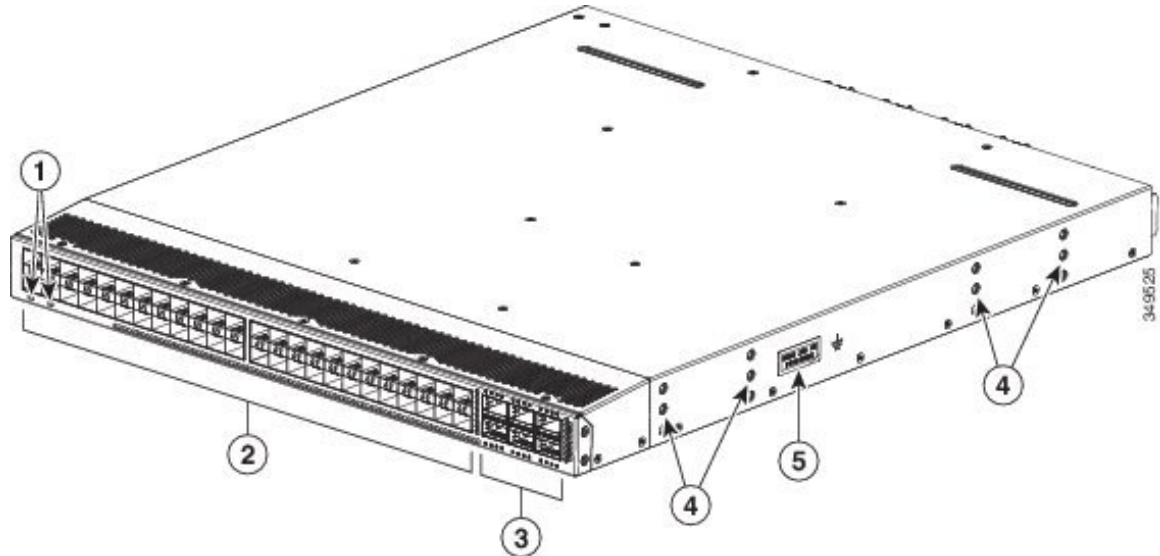
**Figure 13: Fan-Side View of the Cisco Nexus 3172 Chassis**



1	Power Supply modules (2)	2	Fan modules (4)
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The following figure shows the port-side chassis features that you use when installing the chassis or replacing its modules.

**Figure 14: Port-Side View of the Cisco Nexus 3172 Chassis**



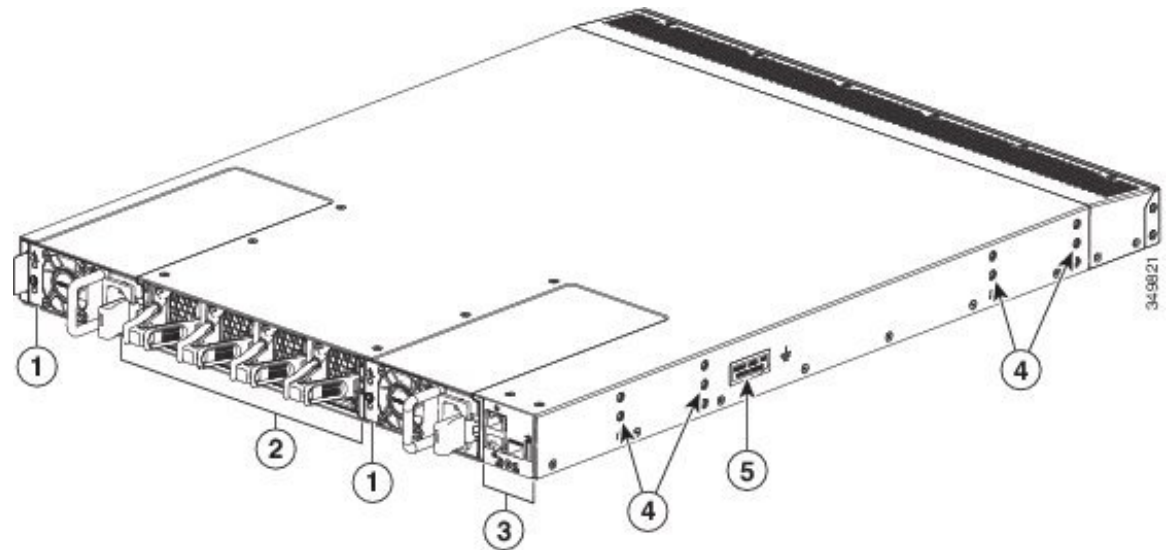
1	ID and Status LEDs	4	Screw holes for mounting brackets
2	SFP+ ports (48)	5	Grounding pad
3	QSFP+ ports (6)		

## Overview of the Cisco Nexus 3232C Switch

The Cisco Nexus 3232C (N3K-C3232C) is a 1 rack unit (RU) switch with 32 100-Gigabit QSFP28-100 and 2 10G SPF+ ports. This switch supports both port-side exhaust and port-side intake airflow schemes. The switch requires one AC or DC power supply for operations, but it can have a second power supply for redundancy.

The following figure shows the fan-side chassis features that you use when installing the chassis or replacing its modules.

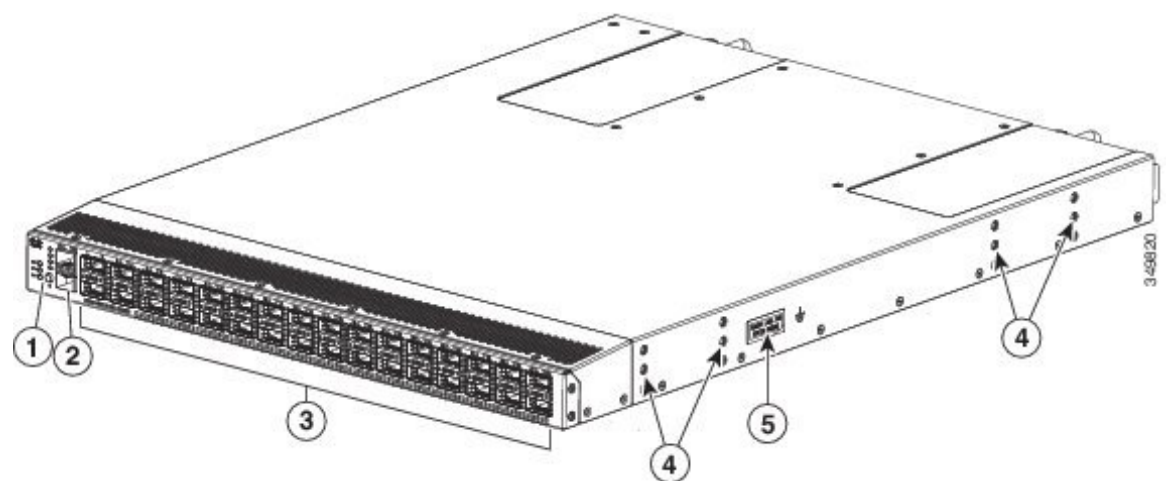
**Figure 15: Fan-Side View of the Cisco Nexus 3232C Chassis**



1	AC or DC power supply (1 or 2)	4	Screw holes for mounting brackets
2	Fan modules (4)	5	Grounding pad
3	Console, Management, and USB ports		

The following figure shows the port-side chassis features that you use when installing the chassis or replacing its modules.

**Figure 16: Port-Side View of the Cisco Nexus 3232C Chassis**





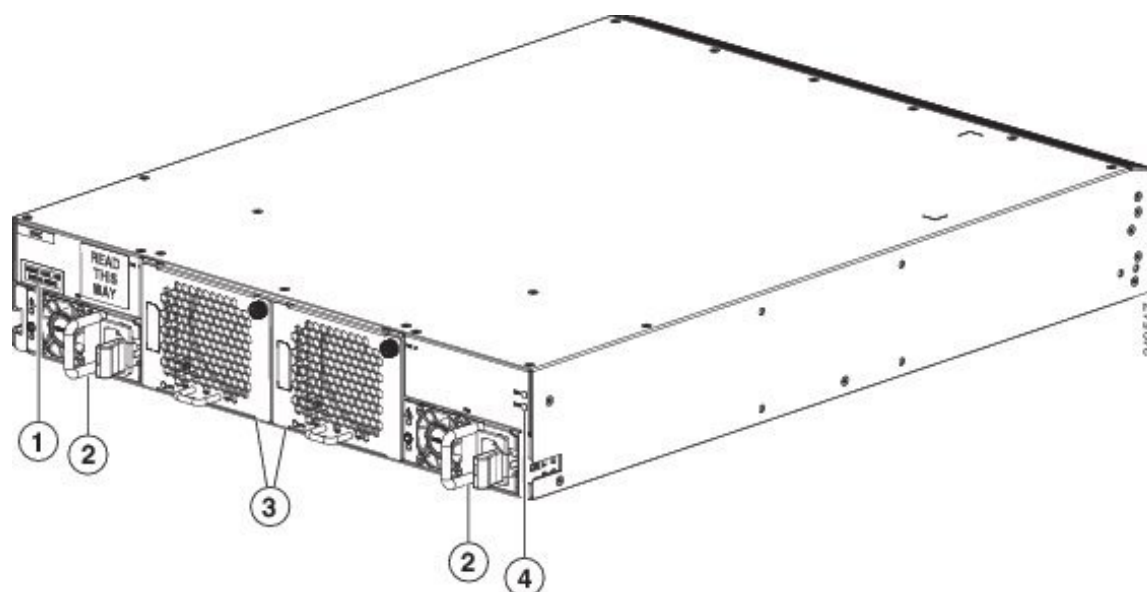
1	Selector switch, ID, and Status LEDs	4	Screw holes for mounting brackets
2	10G SPF+ ports (2)	5	Grounding pad
3	100-Gigabit QSFP28-100 ports (32)		

## Overview of the Cisco Nexus 3264Q Switch

The Cisco Nexus 3264Q (N3K-C3264Q) is a 2 rack unit (RU) switch with 64 fixed 40-Gigabit quad small form-factor pluggable (QSFP) ports, 1 RJ-45 management port, 1 RS-232 console port, and 2 USB ports. This switch supports both port-side exhaust and port-side intake airflow schemes. The switch requires one AC or DC power supply for operations, but it can have a second power supply for redundancy.

The following figure shows the fan-side chassis features that you use when installing the chassis or replacing its modules.

**Figure 17: Fan-Side View of the Cisco Nexus 3264Q Chassis**

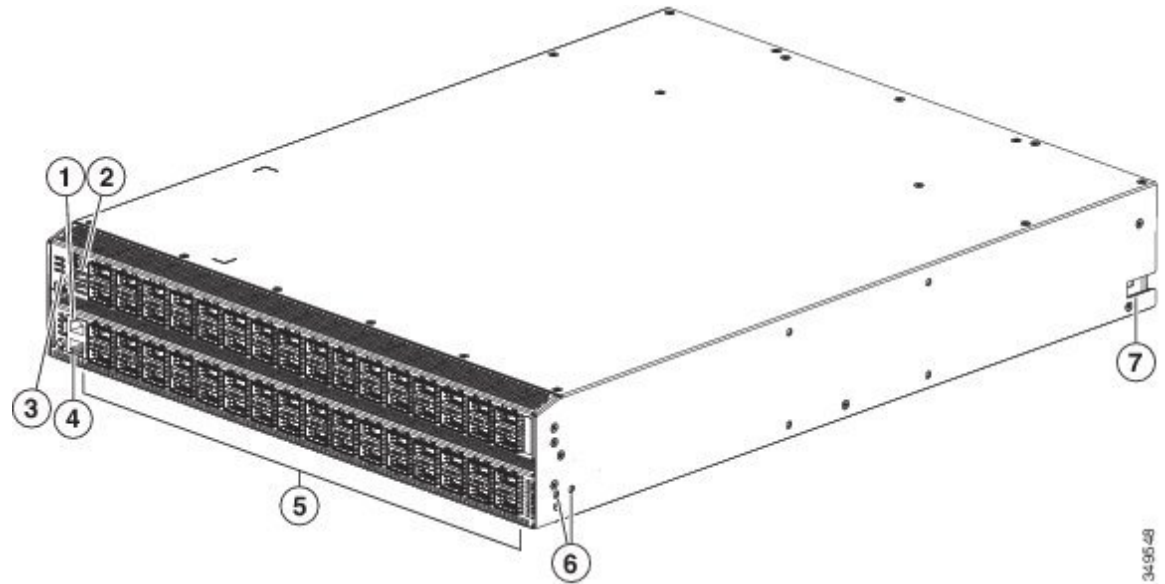


1	Grounding pad	3	Fan modules (2)
2	Power supply modules (2)	4	Beacon (BCN) and Status (STS) LEDs



The following figure shows the port-side chassis features that you use when installing the chassis or replacing its modules.

**Figure 18: Port-Side View of the Cisco Nexus 3264Q Chassis**



1	Console port (1)	5	10-Gigabit QSFP ports (96)
2	USB ports (2)	6	Screw holes for mounting brackets
3	Beacon (BCN), Status (STS), and Environment (ENV) LEDs	7	Notch in the chassis (2) (1 each side) for locking into the bottom-support rails
4	Management port (1)		

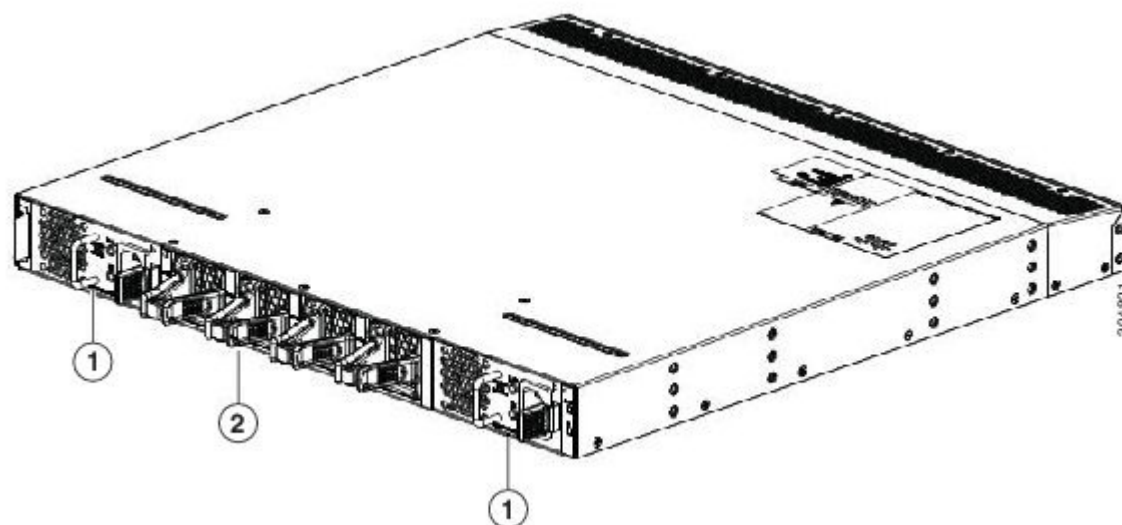
## Overview of the Cisco Nexus 3548-10G, 3548-10GX, and 3524 Switches

The Cisco Nexus 3548P-10G (N3K-C3548P-10G) and 3548P-10GX (N3K-C3548P-10GX) are 1 rack unit (RU) switches with 48 fixed 1- and 10-Gigabit Ethernet small form-factor pluggable (SFP+) ports, 2 (Cisco Nexus 4548P-10G) or 1 (Cisco Nexus 3548P-GX) 10/100/1000 management ports, 1 console port, and 1 (Cisco Nexus 4548P-10G) or 2 (Cisco Nexus 4548P-10GX) USB ports. This switch supports both port-side exhaust and port-side intake airflow schemes. The switch requires one AC or DC power supply for operations, but it can have a second power supply for redundancy.

The Cisco Nexus 3524P (N3K-C3524P-10G) is a Cisco Nexus 3548 switch but with only 24 ports enabled and can be upgraded to use all 48 ports. It is the lowest entry point for main-stream top-of-rack (TOR) data center deployments which offers wire-rate Layer 2 and Layer 3 switching with a comprehensive feature set, including Algo Boost technology, and ultra-low latency.

The following figure shows the fan-side chassis features that you use when installing the chassis or replacing its modules.

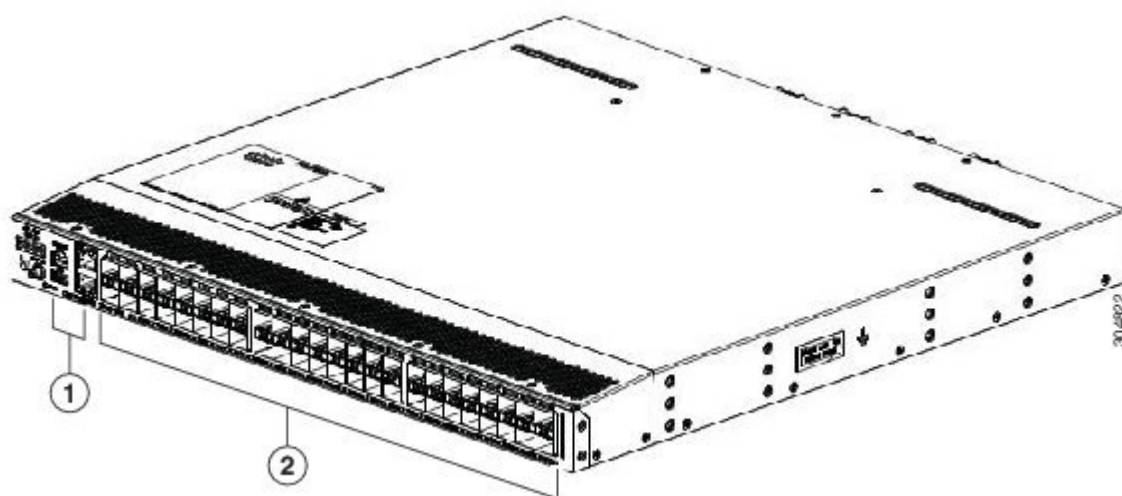
**Figure 19: Fan-Side View of the Cisco Nexus 3548P-10G, 3548P-10GX, and 3524 Chassis**



1	AC or DC power supply (1 or 2)	2	Fan modules (4)
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The following figure shows the port-side chassis features that you use when installing the chassis or replacing its modules.

**Figure 20: Port-Side View of the Cisco Nexus 3548P-10G, 3548P-10GX, and 3524 Chassis**



1	Management, Console, and USB ports	2	48 fixed small form-factor pluggable (SFP+) ports
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