



## Overview

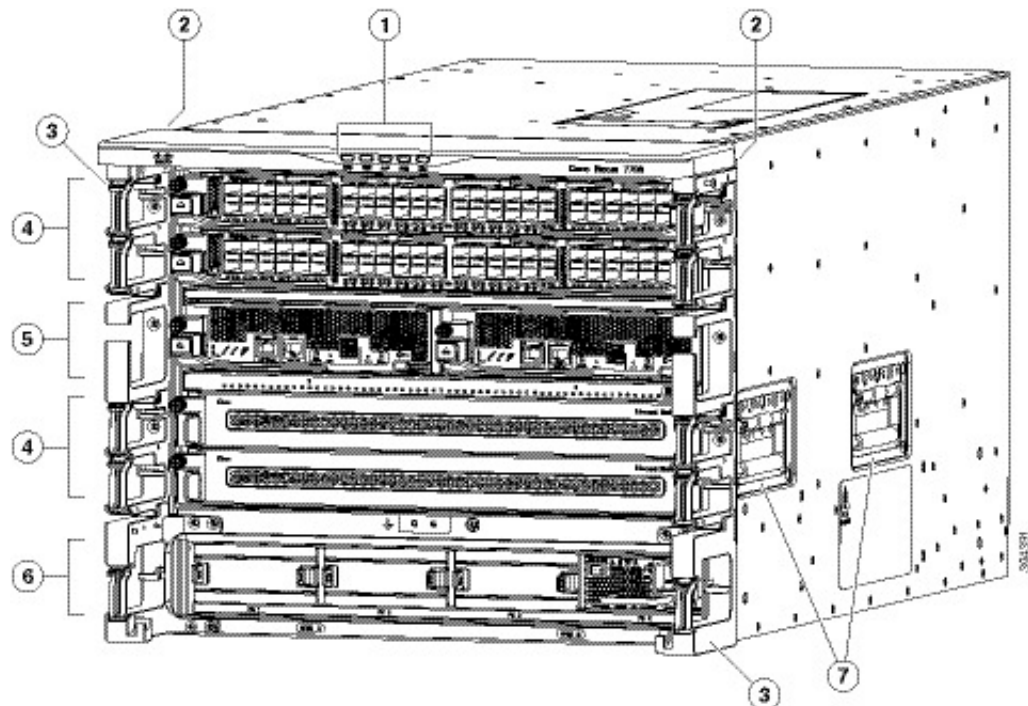
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- [Overview of the Cisco Nexus 7706 Switch Installation Features, on page 1](#)

## Overview of the Cisco Nexus 7706 Switch Installation Features

The Cisco Nexus 7706 chassis has six slots for one or two supervisor modules and up to four I/O modules. The chassis also holds up to six fabric modules, up to four AC or DC 3-kW and 3.5-kW HVAC/HVDC power supplies, and three fan trays. To group the many networking cables for each I/O module on this chassis, you can install cable management frames on either side of the chassis. You can install an optional locking front door and you can install an optional set of air filters on the front door and cable management frames. The following figure shows the standard hardware features seen from the front of the chassis.

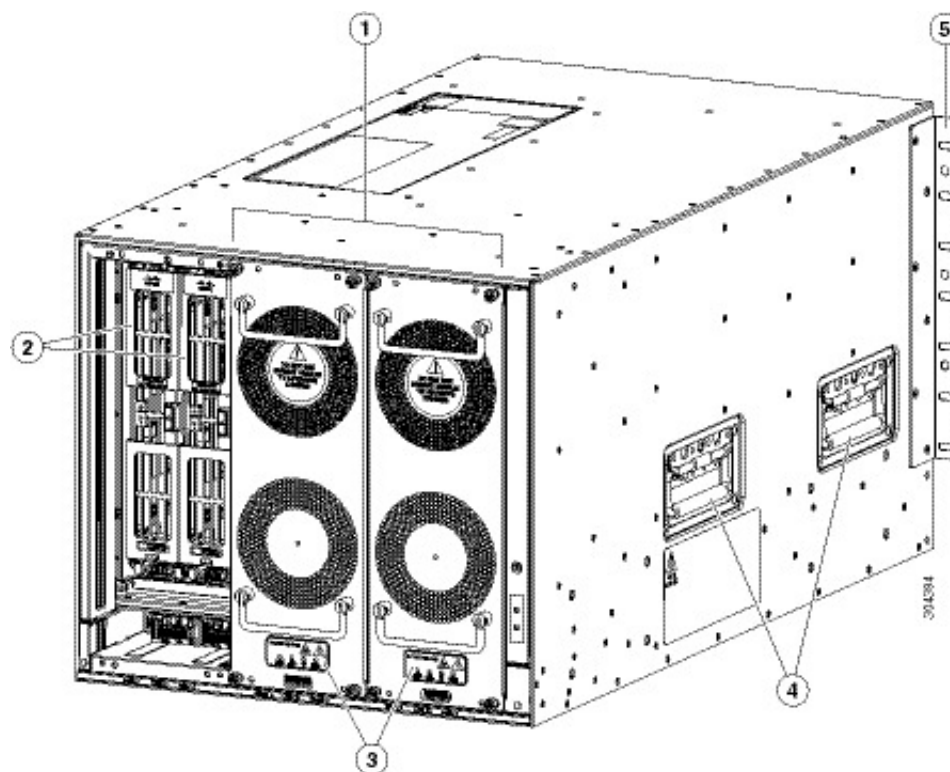
**Figure 1: Standard Hardware Features on the Front of the Cisco Nexus 7706 Chassis**



1	Chassis LEDs	5	Supervisor modules (one or two) (N77-SUP2E and N77-SUP3E) in Slots 3, 4
2	Chassis mounting brackets (one on each side of the chassis behind the cable management frames)	6	Power supplies (up to 4) <ul style="list-style-type: none"> <li>• 3-kW AC power supply (N77-AC-3KW)</li> <li>• 3-kW DC power supply (N77-DC-3KW)</li> <li>• 3.5-kW HVAC/HVDC power supply (N77-HV-3.5KW)</li> </ul>
3	Cable management frame (2)	7	Chassis handles (used only for small movements on the rack)
4	I/O modules (1–4) in Slots 1,2,5,6 <ul style="list-style-type: none"> <li>• 48-port 1/10-Gigabit Ethernet I/O module (N77-F248XP-23E)</li> <li>• 12-port 100-Gigabit Ethernet I/O module (N77-F312CK-26)</li> <li>• 24-port 40-Gigabit Ethernet I/O module (N77-F324FQ-25)</li> <li>• 48-port 1- and 10-Gigabit Ethernet I/O module (N77-F348XP-23)</li> <li>• 30-port 100-Gigabit Ethernet I/O module (N77-F430CQ-36)</li> <li>• 12-port 100-Gigabit Ethernet I/O module (N77-M312CQ-26L)</li> <li>• 24-port 40-Gigabit Ethernet I/O module (N77-M324FQ-25L)</li> <li>• 48-port 1- and 10-Gigabit Ethernet I/O module (N77-M348XP-23L)</li> </ul>		

The following figure shows the standard hardware features seen from the rear of the chassis.

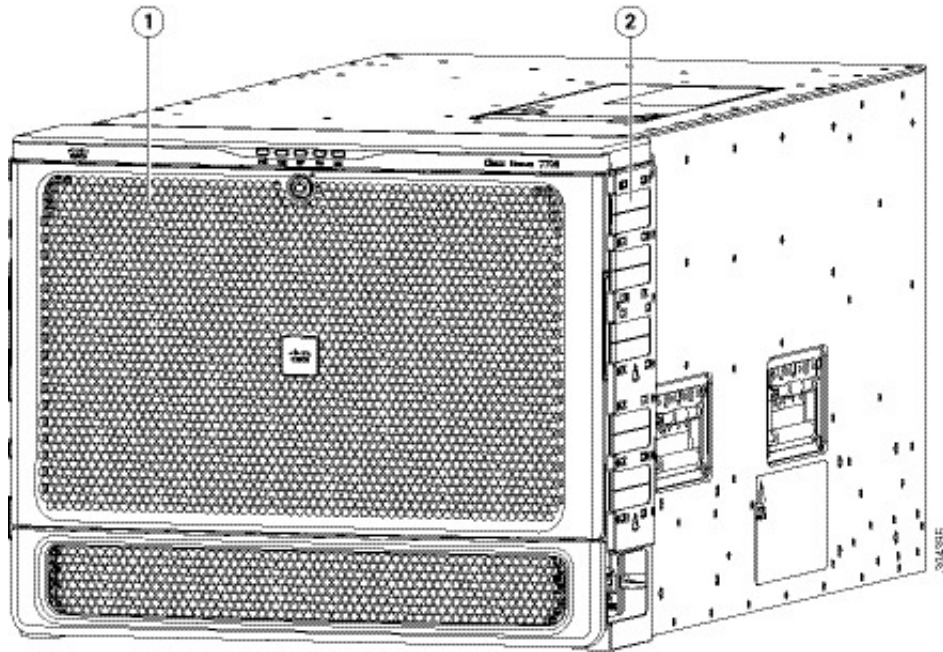
**Figure 2: Standard Hardware Features on the Rear of the Cisco Nexus 7706 Chassis**



1	Three fan trays—only two fan trays, N77-C7706-FAN, are shown in this figure, one is removed to show the two fabric modules in back. There are 2 types of fan trays: 38 mm Gen 1 fan trays (N77-C7706-FAN) and 76 mm Gen 2 fan trays (N77-C7706-FAN-2). Use the Gen 2 fan trays for Network Equipment Building System (NEBS) compliance when the Cisco Nexus 7700 M3-Series 12-port 100-Gigabit Ethernet I/O module (N77-M312CQ-26L) or the Cisco Nexus 7700 F4-Series 30-port 100-Gigabit Ethernet I/O module (N77-F430CQ-36) is installed in the switch.	4	Handles used only for adjusting the position of the chassis on the mechanical lift or on the bottom support rails (do not lift the chassis with these handles)
2	Fabric modules (up to six with two behind each fan tray) (N77-C7706-FAB-2 and N77-C7706-FAB-3)	5	Vertical mounting brackets used for securing the chassis to the rack and for holding the cable management frames
3	LEDs for the fan tray and fabric modules behind the fan tray		

The following figure shows the optional features seen on the front of the Cisco Nexus 7706 chassis.

*Figure 3: Optional Hardware Features on the Front of the Cisco Nexus 7706 Chassis*



1	Front doors with locks (N77-C7706-FDK)	2	Air filter (N77-C7706-AFLT) shown on the outside of the cable management frames. Filters also included inside and on the sides of the front door (not shown).
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