

Prepare to Install Cisco NCS 1020

This chapter explains how to prepare for the Cisco NCS 1020 installation.

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Package Contents

You can order Cisco NCS 1020 as an assembled chassis (NCS1020-SYS) or as an empty chassis (NCS1020-SA) along with the components.

The shipped package contains the following:

- Cisco NCS 1020 chassis.

Note When you order a spare or ATO chassis, it comes with a torx head screwdriver.

- Accessory kit (NCS1020-19-KIT)—Includes all the hardware necessary for the chassis installation on the 19" rack. You can order the accessory kits for ETSI (NCS1020-ETSI-KIT) and 23" ANSI (NCS1020-23-KIT) racks as required. The following table describes the contents of the accessory kits.

Table 1: Accessory Kit Contents

Accessory Kit	Contents
NCS1020-19-KIT	This kit has the following items for chassis installation on a 19" rack: • Left bracket (1x) • Right bracket (1x) • M4 flat torx head screws to assemble brackets on chassis (38x) • 12-24 pan head rack mount screws (24x) • Double hole ground lug (1x) • M5 pan head screws for ground lug (2x) • Lock washer for ground lug (2x)

Accessory Kit	Contents
NCS1020-23-KIT	This kit has the following items for chassis installation on an ANSI 23" rack: • 23" rack to 19" rack adapter (2x) • 12–24 pan head screws (56x)
NCS1020-ETSI-KIT	This kit has the following items for chassis installation on an ETSI rack: • ETSI rack to 19" rack adapter (2x) • 12-24 pan head screws (34x)

- Field replaceable modules such as PSUs, controllers, fan trays, filler fan trays, filler cards, SSD, and line cards (the variant of line cards that you have ordered).
- AC and DC power cables that you have ordered. See Cable Specifications.
- Front door accessory kit.

Door Kit	Contents
NCS1020-DR	This door kit has the following items for door installation on the NCS 1020 chassis: • Right cable management bracket (1x) • Left cable management bracket (1x) • Top panel (1x) • Bottom panel (1x) • Right door filter (1x) • Left door filter (1x) • M4.0x6mmL pan head screws (8x) • M4x16mmL pan head screws (6x) • M3.0x7mmL pan head srews (2x) • Guide pins (2x)

Unpack and Verify the Cisco NCS 1020 Chassis

Contact your Cisco Sales Representative for the Unpacking procedure of the NCS 1020 Chassis.

Use this procedure to unpack the shipment and verify that you have all the chassis modules that are required for installation.

Tip Be sure to save the packaging in case you need to return any of the components products.

Procedure

Step 1 When you receive the Cisco NCS 1020 equipment at the installation site, carefully move the pallet holding the chassis to the staging area where you plan on unpacking it.

Important
Ensure that there's sufficient room around the chassis pallet for unpacking.

Step 2 Using a pair of scissors, cut the carton sealing tape and straps tied around the package and open the top of the box.

Step 3 Remove accessories and corner boards from the box. The box contains the Cisco NCS 1020 chassis and other items that are needed for installation.

Step 4 Pull the box covering the chassis to remove it.

Step 5 Using a screwdriver, remove the shipping brackets from the chassis.

Step 6 To transfer the chassis from the pallet, grasp the side of the chassis and lift it away from the pallet.

Tip
To make the chassis weigh less for moving, remove the installed modules and place them where their connectors won't be damaged.

Do not try to remove the EITU. It is part of the NCS 1020 chassis.

Use these lifting guidelines to avoid injury to yourself or damage to the equipment:

- Don't lift the equipment alone. Have another person help you to lift the equipment.

  A fully loaded chassis can weigh as much as 100 kg (220.5 lbs).

- Ensure that your footing is solid; balance the weight of the object between your feet.
- Lift the equipment slowly; never move suddenly or twist your body as you lift.
- Keep your back straight and lift with your legs, not your back. When bending down to lift equipment, bend at the knees (not at the waist), to reduce the strain on your lower back muscles.

Step 7 Transfer the chassis to a mechanical lifting device.

a) Place the mechanical lifting device in front of the chassis on the pallet (or on the Line Card side).
b) Prepare to use the mechanical lifting device by placing a piece of cardboard on the surface of the lift (to prevent scratching).
c) With at least two or three people, move the chassis carefully from the pallet onto the lifting device.

Step 8 Verify the following:

- The Cisco NCS 1020 chassis is undamaged. Check the chassis for scratches, bends, discolorations, or deformations.
- The other modules that are shipped with the chassis or separately are undamaged.

Step 9 If you notice any damage to the chassis or the modules, call your Cisco sales engineer for a replacement.

What to do next

After moving the chassis to the room or area where you want to install it, begin the procedure to mount the chassis into the rack.