



Technical Specifications

This appendix describes the technical specifications for the Cisco NCS 5001 and 5002 routers. This appendix includes the following sections:

- [Router Specifications, on page 1](#)
- [Environment Specification, on page 2](#)
- [Power Specifications, on page 3](#)

Router Specifications

The following table lists the physical specifications for the Cisco NCS 5001 router.

Table 1: Physical Specifications for the Cisco NCS 5001 Router

Description	Specification
Dimensions (H x W x D)	1.72 x 17.42 x 19.3 in. (4.37 cm x 44.3 cm x 49.0 cm)
Cisco NCS 5001 with two 650W power supplies, and two fan modules	21 lb (9.5 kg)

The following table lists the physical specifications for the Cisco NCS 5002 router.

Table 2: Physical Specifications for the Cisco NCS 5002 Router

Description	Specification
Dimensions (H x W x D)	3.5 x 17.42 x 19.28 in. (8.9 cm x 44.3 cm x 48.97 cm)
Cisco NCS 5002 with two 650W power supplies, and two fan modules	46 lb (20.9 kg)

Table 3: Physical Specifications for the Cisco NCS 5011 Router

Description	Specification
Dimensions (H x W x D)	1.72 x 17.3 x 22.5 in. (4.4 cm x 43.9 cm x 57.15 cm)
Cisco NCS 5011 with two 650W power supplies, and four fan modules	22.2 lb (10.6 kg)

Environment Specification

The following table lists the environmental specifications for the Cisco NCS 5001 Router.

Table 4: Environmental Specifications for the Cisco NCS 5001 Router

Property	Cisco NCS 5001 Router
Operating temperature	32 to 104°F (0 to 40°C)
Nonoperating (storage) temperature	-40 to 158°F (-40 to 70°C)
Humidity	5 to 95% (non condensing)
Altitude	0 to 10,000 ft (0 to 3000 m)

Table 5: Environmental Specifications for the Cisco NCS 5002 Router

Property	Cisco NCS 5002 Router
Operating temperature	32 to 104°F (0 to 40°C)
Nonoperating (storage) temperature	-40 to 158°F (-40 to 70°C)
Humidity	5 to 95% (non condensing)
Altitude	0 to 10,000 ft (0 to 3000 m)

Table 6: Environmental Specifications for the Cisco NCS 5011 Router

Property	Cisco NCS 5011 Router
Operating temperature	32 to 104°F (0 to 40°C)
Nonoperating (storage) temperature	-40 to 158°F (-40 to 70°C)
Humidity	5 to 95% (non condensing)
Altitude	0 to 10,000 ft (0 to 3000 m)

Power Specifications

This section describes the power specifications for the Cisco NCS 5000 Series routers.

Specifications for the Cisco NCS 5001 Power Supply

The following table lists the Power supply specifications for the Cisco NCS 5001 Series routers.

The input fuse rating for each 650W AC power supply is either 12.5A or 15A/250V. The recommended current rating of the protective device as part of the building installation is 16A (20A for US/CSA).

Table 7: Specifications for the Cisco NCS 5001 AC Power Supply

AC Power Supply Properties	Specifications
Typical operating power	357 W
Maximum Power	650 W
Input Voltage	110/220
Frequency	47 Hz to 53 Hz
Efficiency	94% (At 50% Load)
RoHS Compliance	Yes
Hot Swappable	Yes
Port side exhaust air flow power supply	Yes
Port side intake air flow power supply	Yes

The input fuse rating for each 930W DC power supply is 40A/80V. The recommended current rating of the protective device as part of the building installation is 50A.

Table 8: Specifications for the Cisco NCS 5001 DC Power Supply

DC Power Supply Properties	Specifications
Typical operating power	511 W
Maximum Power	930 W
Input Voltage	-48/-60
Efficiency	94% (At 50% Load)
RoHS Compliance	Yes



Note The minimum cable sizing required for DC power supply is 10 AWG.

Specifications for the Cisco NCS 5002 Power Supply

The following table lists the Power supply specifications for the Cisco NCS 5002 Series router.

Table 9: Specifications for the Cisco NCS 5002 AC Power Supply

AC Power Supply Properties	Specifications
Typical operating power	357 W
Maximum Power	650 W
Input Voltage	110/220
Frequency	47 Hz to 53 Hz
Efficiency	94% (At 50% Load)
RoHS Compliance	Yes
Hot Swappable	Yes
Port side exhaust air flow power supply	Yes
Port side intake air flow power supply	Yes

Table 10: Specifications for the Cisco NCS 5002 DC Power Supply

DC Power Supply Properties	Specifications
Typical operating power	511 W
Maximum Power	930 W
Input Voltage	-48/-60
Efficiency	94% (At 50% Load)
RoHS Compliance	Yes



Note The minimum cable sizing required for DC power supply is 10 AWG.

Specifications for the Cisco NCS 5011 Power Supply

The following table lists the Power supply specifications for the Cisco NCS 5011 Series router.

Table 11: Specifications for the Cisco NCS 5011 AC Power Supply

AC Power Supply Properties	Specifications
Typical operating power	357 W
Maximum Power	650 W
Input Voltage	110/220
Frequency	47 Hz to 53 Hz
Efficiency	94% (At 50% Load)
RoHS Compliance	Yes
Hot Swappable	Yes
Port side exhaust air flow power supply	Yes
Port side intake air flow power supply	Yes

Table 12: Specifications for the Cisco NCS 5011 DC Power Supply

DC Power Supply Properties	Specifications
Typical operating power	511 W
Maximum Power	930 W
Input Voltage	-48/-60
Efficiency	94% (At 50% Load)
RoHS Compliance	Yes



Note The minimum cable sizing required for DC power supply is 10 AWG.
