



Cisco NCS 1004 Overview

This chapter provides an overview for Cisco NCS 1004.

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The Cisco NCS 1004 chassis is a 2RU chassis that delivers a universal transponder solution which provides excellent performance for metro, long-haul and submarine applications.

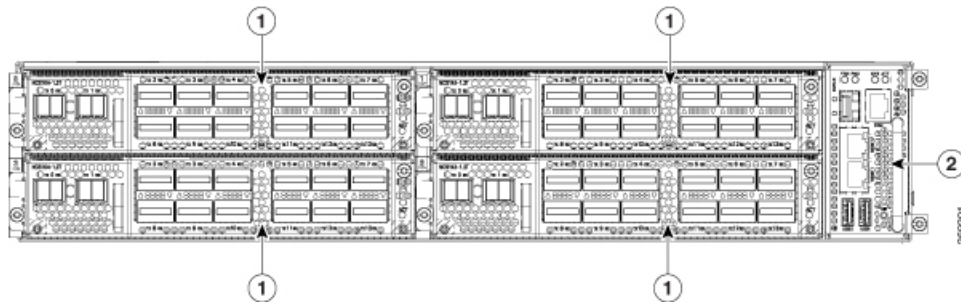
The Cisco NCS 1004 has the following modules:

- Removable controller
- Two replaceable power supply units (PSU)
- Three replaceable fan units
- Four line card slots

For more information about the Cisco NCS 1004 chassis and the 1.2T line card, see [Cisco NCS 1004 datasheet](#).

The controller is on the front side. The PSUs and the fan units are on the rear side of the chassis. The line cards can be inserted in to the four slots as shown in the following figure.

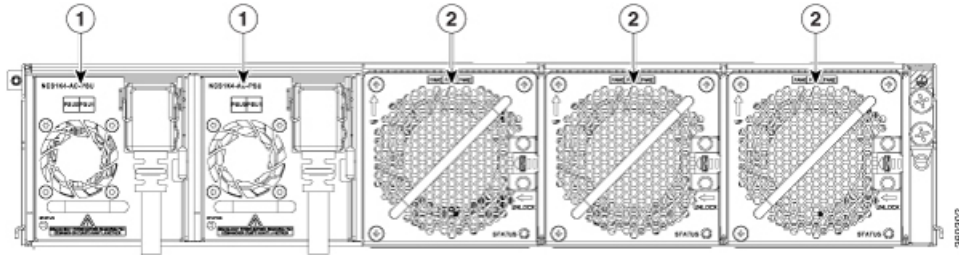
Figure 1: NCS 1004 Front View



1	Line Cards
2	Controller

The slots for the PSUs and fan units are indicated in the following figure.

Figure 2: NCS 1004 Rear View



1	Power Supply Units (Slots 0 and 1)
2	Fan Units (Slots 0,1,2)

Both the power supply modules should be AC or DC. Mixed configuration is not allowed.

Cisco NCS 1004 has a front to back airflow scheme. The air inlet is at the front side of the chassis and the exhaust is on the rear side. Ensure that the airflow is not obstructed or impeded by any object as it may lead to reduced airflow in the system, causing components to operate at a higher temperature.

Figure 3: Airflow in NCS 1004

