
Power Supply and Airflow

This article describes the AC power supply and airflow requirements for CSG700 appliances.

AC Power Supply

By default, CSG700 series appliances ship with one AC power supply unit.

If you order the CSG700 series appliance with the power over Ethernet (PoE) NIC module, an additional power supply unit ships with the appliance.

Table 1 describes the AC power supply specifications for each power supply unit.

Table 1: CSG700 AC Power Supply Specifications

Item	Specification
AC input voltage	100–240 Volts
AC input line frequency	50–60 Hz
Typical power consumption with PoE disabled	35 Watts
Typical power consumption with PoE enabled	60 Watts

Airflow Requirements

The CSG700 series appliance is made of aluminum for optimal heat dissipation.

The appliance has no fans, to minimize noise and to maximize the life of the appliance. Cooling occurs by natural airflow through the vents on the top of the appliance.

When planning your site for installing a CSG700 series appliance in a 19-inch rack, allow a minimum of 0.5 RU space above the appliance to allow hot air to flow out of the appliance. However, it is recommended that you allow 1 RU space above the appliance for cooling.

When placing a CSG700 series appliance on a desk, ensure that the vents on the top of the unit are never blocked, to allow hot air to flow out of the appliance. Covering the vents prevents heat from dissipating out of the appliance, which will cause the chassis to overheat and then shut down.
