
Power Supply and Airflow

This article describes the AC power supply and airflow requirements for Cloud Services Gateway (CSG) 3000 series appliances.

AC Power Supply

By default, CSG3000 series appliances ship with AC redundant and hot-swappable power supply units (PSUs). These are modular power supply units that can be removed from the appliance.

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

Table 1: CSG3000 AC Power Supply Specifications

Item	Specification
AC input voltage	100–240 V
AC input line frequency	50–60 Hz
Power type	Field replaceable 1+1 redundant and
Power supply unit	Field replaceable unit (FRU) about 1000 W, hot-swappable

Airflow Requirements

The CSG3000 series appliances have 2+1 redundant fans, which are hot-swappable in the field. The fans provide front-to-back cooling.

When planning your site for installing a CSG3000 series appliance in a 19-inch rack, keep in mind that the front side of the rack is the cool area, and the rear side is where hot air exits from the fan. Ensure that there is space on the rear side of the appliance to allow air to exit from the fan.

When placing a CSG3000 series appliance on a desk, ensure that there is space on the rear side of the unit to allow air to exit from the fan. Also ensure that the vents on the side 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 can cause the chassis to overheat and then shut down.