
Power Supply and Airflow

This article describes the AC power supply and airflow requirements for Cloud Services Switch (CSX) 8000 series appliances.

AC Power Supply

By default, CSX8000 series appliances ship with field-replaceable, redundant 1000 W (115 VAC) or 1200 W (230 VAC) AC power supply units (PSUs). The power supplies are modular and can be removed from the appliance.

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

Table 1: CSX8000 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
PSU	Field replaceable unit (FRU) 1000 W or 1200 W

Airflow Requirements

The CSX8000 series appliances have 5+1 redundant fans, which are hot swappable in the field. The fans provide front-to-back cooling.

When planning your site for installing a CSX8000 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 CSX8000 series appliance on a desk, ensure that there is space on the rear side of the appliance 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.