



Prisma HDRx Reverse Path Receiver Platform Redundant Powering

Overview

Introduction

This application note describes how the Prisma[®] HDRx Reverse Receiver Platform should be installed to provide powering redundancy and cooling.

Prisma HDRx Installation

The Prisma HDRx platform consists of a 4 RU high chassis that can be mounted in a 19- or 23-inch rack. The unit can be mid-mounted for installation into a fiber management frame or front mounted for installation in a standard equipment rack. The Prisma HDRx chassis can accommodate up to 42 return path receivers, a network control module, and either a -48 V DC or 110/220 V AC power supply module. Powering redundancy is provided by an external 1 RU rack-mount power supply that also contains a fan unit to provide additional cooling.

Installation View

Redundant Power Supply

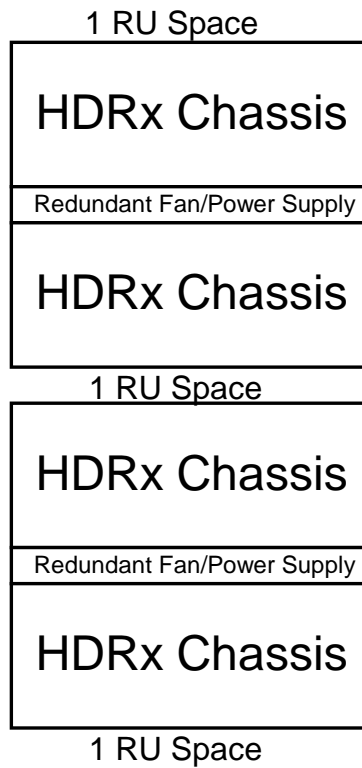
As shown in the illustration below, the redundant fan/power supply unit should be mounted between two Prisma HDRx chassis' and connected using two HDRx interconnect power cables, part number 734451. If only one HDRx frame is installed in a rack, then the redundant power supply unit should be installed above the Prisma HDRx chassis. The redundant power supply unit is capable of powering one HDRx frame at a time. This provides an adequate level of redundancy since it is unlikely that both power supplies will fail at the same time.



Installation View, Continued

Multiple HDRx Chassis Guidelines

For installations of multiple HDRx chassis', please follow the guidelines outlined in the figure below.



For Information

If You Have Questions

If you have technical questions, call Cisco Services for assistance. Follow the menu options to speak with a service engineer.



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