Dell EMC SD-WAN Edge 3000 Series

Setup Guide

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DELLEMC

Notes, cautions, and warnings

ⓘ **NOTE: A NOTE indicates important information that helps you make better use of your product.**

⚠ **CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.**

⚠ **WARNING: A WARNING indicates a potential for property damage, personal injury, or death.**

Contents

Edge 3000 Series

The Dell EMC SD-WAN Edge 3000 Series (3400 and 3800) is a purpose-built platform that is integrated with VMware SD-WAN by VeloCloud software.

For detailed installation instructions, see the Dell EMC SD-WAN Edge 3000 Series Installation Guide at www.dell.com/support.

After unpacking the Edge 3000 Series, inspect the device and immediately report any damage to your Dell EMC sales representative.

Topics:

- Installation instructions
- Specifications

Installation instructions

Information icon definitions:

- The Warning icon signals information about hardware handling that could result in injury.
- The Caution icon signals information about situations that could result in equipment damage or lost of data.
- The Note icon signals important operational information.

Install the device

⚠ **WARNING: To avoid electrostatic discharge (ESD) damage, wear grounding wrist straps when handling this equipment.**

⚠ **WARNING: This device has optical transceivers, which comply with the limits of Class 1 laser radiation. When working with optical fibers, follow all warning labels and always wear eye protection.**

⚠ **WARNING: When no cable is connected, visible and invisible laser radiation may be emitted from the aperture of the optical transceiver ports. Avoid exposure to laser radiation and do not stare into open apertures.**

Install the device in an area that meets the following safety requirements:

- Near a properly grounded AC power outlet.
- In a temperature-controlled room with a continuous temperature range from 0°C to 45°C (32°F to 113°F).
- In a dry, clean, and well-ventilated room away from heat sources such as hot air vents or direct sunlight
- Away from severe electromagnetic noise
- Away from direct view within the workplace

1. Connect the power adapter to the AC power outlet. These power modules are 1+1 redundant power supplies.

> ⓘ NOTE: Connect the device to a properly wired earth-ground AC power outlet.

2. Connect one of the default WAN ports (GE3-6 or SFP1-4) to an available Internet connection. SFP modules are not included.

3. If you received an email from your IT administrator, follow the instructions in the email to complete the Edge activation.

You can find additional information from the VCO or the Dell EMC support site at www.dell.com/support. If you did not receive an email, request the setup instructions from your IT administrator or open a Dell EMC support request.

4   Connect local devices such as computers and switches to either GE1 or GE2 ports.

- GE1 or GE2 ports

    ⓘ NOTE: The RJ45 ports on the left side of the box are for console/administration access only.

After following these instructions, if you are still unable to activate the Edge, contact your IT administrator or open a Dell EMC support request.

Specifications

Table 1. Edge 3000 Series specifications

Feature	Specification
Size	17.1 in x 15.0 in x 1.72 in (W x D x H)
	43.4 cm x 38.1 cm x 4.37 cm (W x D x H)
Chassis weight with factory-installed components including one rNDC carrier card, one rNDC card, and one blank panel	• 16 core: 16.50 lbs (7.48 kg)—2 PSUs and 5 fans • 8 core: 16.60 lbs (7.53 kg)—2 PSUs and 4 fans
AC power input	100 VAC–240 VAC, 50/60 Hz
AC typical current draw per system	• 16 core: 110 VAC: 1.89 A • 8 core: 110 VAC: 1.62 A • 16 core: 240 VAC: 0.87 A • 8 core: 240 VAC: 0.75 A

Feature	Specification
Maximum power consumption	• 16 core processor with five fans: 312 W • 8 core processor with four fans: 242 W
Typical power consumption	• 16 core processor with five fans: 208 W • 16 core processor with five fans: 178 W
RoHS information	Go to: Restricted Material Compliance.

Table 2. Edge 3000 Series temperatures

Feature	Specification
Operating temperature	0°C to 45°C (32°F to 113°F)
Storage temperature	−40°C to 70°C (-40°F to 158°F)
Operating relative humidity	5% to 85% (RH), non-condensing continuously 5% to 90% (RH), non-condensing short term (< 1% of operational hour per year)
Storage relative humidity	5% to 90% (RH)
Operating altitude	Maximum: 10,000 feet (3,048 meters) No performance degradation up to 3,117 feet (950 meters)