Dell EMC Edge 510 LTE

Installation guide

Notes, cautions, and warnings

(i) **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

About this guide

This guide provides site preparation recommendations, step-by-step procedures for installing your device, and connecting to a power source.

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

ⓘ **NOTE:** Only trained and qualified personnel can install this equipment. Read this guide before you install and power up this equipment. This equipment contains two power cables. Disconnect both power cables before servicing.

ⓘ **NOTE:** This equipment contains optical transceivers, which comply with the limits of Class 1 laser radiation.

Figure 1. Class 1 laser product tag

ⓘ **NOTE:** When no cable is connected, visible and invisible laser radiation may emit from the aperture of the optical transceiver ports. Avoid exposure to laser radiation. Do not stare into open apertures.

ⓘ **NOTE:** Read this guide before unpacking the device. For unpacking instructions, see Unpack.

Regulatory

Topics:

- Related documents

Related documents

For more information about the Dell EMC Edge 510 LTE, see the following documents:
- *Dell EMC Edge 510 LTE Setup Guide*
- *Dell EMC Edge 510 LTE Release Notes*

ⓘ **NOTE:** For the most recent documentation, see the Dell EMC support site at www.dell.com/support.

Dell EMC Edge 510 LTE

The Edge 510 LTE simplifies SD-WAN integration into your IT solution. It connects the service provider edge or small-to-medium branch locations to the cloud. The Edge 510 LTE comes with VMware SD-WAN™ software preinstalled.

- Dell EMC SD-WAN Edge—a hardware device with VMware software preinstalled.
- VMware SD-WAN Gateway—VMware SD-WAN networks consist of gateways deployed at top tier network points-of-presence and cloud data centers around the world. SD-WAN Gateway also provides SD-WAN services to the doorstep of SaaS, IaaS, cloud network services, and access to private backbones.
- VMware SD-WAN Orchestrator—SD-WAN Orchestrator provides centralized enterprise-wide configuration, real-time monitoring, and orchestrates the data flow into and through the SD-WAN overlay network.

ⓘ **NOTE:** To search for drivers and downloads, go to www.dell.com/drivers/.

Topics:

Introduction

The Dell EMC Edge 510 LTE is a high-performance purpose-built platform. It is a fixed desktop form factor with an optional rack mount kit. The Edge 510 LTE connects the service provider edge or small-to-medium branch locations to the cloud. There are four 1 GbE ports.

The Edge 510 LTE accelerates security encryption using quick assist technology (QAT) option.

- Edge 510—two-core CPU, 4G RAM model

The platform includes a dedicated Mini-USB 2.0 console port for out-of-band management. The reset button resets the Edge 510 LTE system to the factory settings.

1. Power connection 12 v DC
2. Reset button
3. Four-gigabit Ethernet connections, GE1/GE2/GE3/GE4
4. GPS antenna connector
5. SIM card slot
6. Mini-USB console port

Features

Hardware description

- Dell EMC Edge 510 LTE—two-core CPU
- Four 1 GbE networking ports
- One dedicated Mini-USB 2.0 console port for out-of-band management
- Two USB 2.0 Type A ports on each side of the platform
- DDR3 with ECC
- 4 GB memory onboard.
- Fanless airflow from the sides and back of the platform
- External power supply

  (i) **NOTE:** For thermal considerations, do not place the external PSU on top of the Edge 510 LTE platform.

- Desktop mount with rubber feet and wall mount accessories included
- Optional rack mount accessory available

Physical dimensions

- 8.1 in x 7.1 in x 1.57 in (W x D x H)
- 20.6 cm x 18.0 cm x 4.0 cm (W x D x H)

LEDs

The Dell EMC Edge 510 LTE has a service indicator LED display on the front of the platform. This indicator displays the status of the platform, the WAN connection, and the VMware service.

- Red—there is no Internet connection on any WAN port.
- Yellow—the platform has an Internet connection but the device is either not activated or the VMware service is not active.
- Green—one of the WAN ports detects a valid Internet connection.
- Blue—the platform is in standby mode.

As the system functions are in process, the service indicator displays:

- White—initial power-on and boot is in progress.
- Flashing blue—system reset or software update is in progress.
- Flashing white—VMware SD-WAN Orchestrator function in progress.

The Edge 510 LTE also includes RJ45 port status LED displays on the back of the platform.

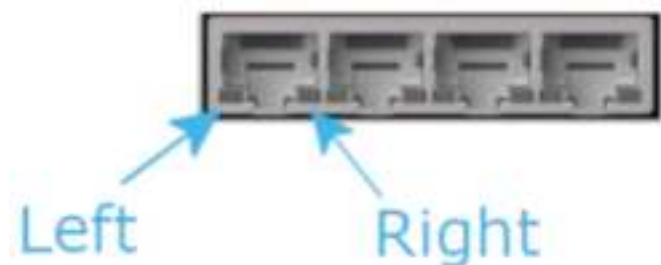The RJ45 port status LEDs are located to the left and right of each port.

Table 1. RJ45 port status indicator LEDs

LEDs	Status	Link and speed
Left side-activity (green)	Solid green	No activity
	Blinking green	Activity
Right side-link status (bicolor green or amber)	Solid green	Link up, 1 Gbps
	Solid amber	Link up, 10 Mbps or 100 Mbps
	Off	Link down

Edge 510 LTE configuration

- Two-core CPU
- Four 1 GbE networking ports
- One Mini USB 2.0 console port
- Two USB 2.0 Type-A
- AC power supply
- No fan
- Airflow on sides and back

Prerequisites

The following is a list of components that are required for successful platform installation:

(i) **NOTE:** For detailed installation instructions, see Site preparations and Site installation.

- Dell EMC Edge 510 LTE platform
- AC country- and regional-specific cable to connect the AC power source to each of the AC power supplies
- Wall mount brackets and accessories for mounting on wall.
- Rubber feet for desktop use
- (Optional) rail mounting accessories for rack mount
- (Optional) screws for rack installation (**not** included)
- Number 1 and number 2 Phillips screw drivers (**not** included).
- Torx screwdriver (**not** included)
- RJ-45 Ethernet cable
- Mini-USB console cable (**not** included).

Site preparations

The Edge 510 LTE platform connects the service provider edge or small-to-medium branch locations.

Use the platform on a desktop or optionally install the platform in a wall or rack.

ⓘ **NOTE:** If you optionally install the platform into a rack or cabinet, install the platform first, and then install any additional components such as cables or optics.

Topics:

- Site selection
- Platform mounting
- Fans and airflow
- Power connection
- Storing components

Site selection

Ensure that the area where you install your platform meets the following safety requirements:

- Near an adequate power source
- Connected to a properly grounded power outlet

⚠ **WARNING: Earth the Edge 510 LTE. Connect the Edge 510 LTE to an outlet that is a properly wired, earth-ground socket outlet.**

- Environmental—platform location—continuous temperature range is 0°C to 40°C (32°F to 104°F)
- Operating humidity:
  - 5% to 85% (RH), noncondensing continuously
  - 5% to 90% (RH), noncondensing Short term (< 1% of operational hour per year)
- In a dry, clean, well-ventilated, and temperature-controlled room, away from heat sources such as hot air vents or direct sunlight
- Away from sources of severe electromagnetic noise

For more information about platform storage and environment temperatures, see Specifications.

Platform mounting

The Edge 510 LTE supports the following mounting options:
- Desktop placement using rubber feet
- Wall-mounting using wall mount brackets
- Rack-mounting using the optional rackmount tray

Rack and platform ground

Ensure that you install in the platform in a grounded rack. Ground the rack to the same ground point the power service in your area uses. The ground path must be permanent.

Fans and airflow

The Dell EMC Edge 510 LTE enclosure is fanless.

Power connection

The platform uses an AC-DC power supply.

(i) **NOTE:** AC power cable **can not be directly** connected to the platform.

1. Connect the DC power connector of the PSU into the power connector.
2. Secure by turning the lock-screw on the DC power plug.
3. Plug the AC power cable into the PSU.
4. Connect the other end of the AC power cable into an AC power outlet to power the platform.

Storing components

If you do not install your Edge 510 LTE platform and components immediately, properly store the platform and all components using these guidelines:

● Storage location temperature must remain constant. The storage range is from -40°C to 70°C (-40° to 158°F).
● Store on a dry surface or floor, away from direct sunlight, heat, and air conditioning ducts.
● Store in a dust-free environment.

(i) **NOTE:** ESD damage can occur when components are mishandled. Always wear an ESD-preventive wrist or heel ground strap when handling the platform and accessories. After you remove the original packaging, place the Edge 510 LTE platform and components on an anti-static surface.

Edge 510 LTE installation

To install the Edge 510 LTE platform, complete the installation procedures in the order that is in this chapter.

Always handle the platform and components with care.

(i) **NOTE:** For thermal considerations, do not stack the Edge 510 LTE platforms on top of each other.

(i) **NOTE:** If components are mishandled, ESD damage can occur. Always wear an ESD-preventive wrist or heel ground strap when handling the platform and components. As with all electrical devices of this type, take all the necessary safety precautions to prevent injury when installing this platform.

Topics:

Unpack

(i) **NOTE:** Before unpacking the platform, inspect the container and immediately report any evidence of damage.

When unpacking the platform, ensure that the following items are included:

*   AC power cable

    (i) **NOTE:** Power cable is in a separate box from the unit.
*   Two RJ45 cables
*   One Dell EMC Edge 510 LTE platform
*   Two antennas
*   AC-to-DC power adapter
*   Wall mount brackets
*   Dell EMC Edge 510 LTE Set Up Guide
*   Safety and Regulatory Information
*   Warranty and Support Information

1. Place the container on a clean, flat surface and cut all straps securing the container.
2. Open the container or remove the container top.
3. Carefully remove the appliance from the container and place it on a secure and clean surface.
4. Remove all packing material.
5. Inspect the product and accessories for damage.

SIM card

Remove the small Philips screw on the door for SIM access. Two SIM slots are available. However, **only use the lower** SIM slot and insert the SIM card with the contacts facing up until it clicks into place.

ⓘ **NOTE:** Must insert SIM card with the **contacts facing up** until it clicks into place.

Figure 2. Insert SIM card

ⓘ **NOTE:** See Configure Edge activation to enable SIM card.

Desktop mount

The Edge 510 LTE includes four rubber pads that provide secure and stable placement of the platform on a clean, flat surface.

ⓘ **NOTE:** Ensure that the platform is in a well-ventilated environment with clearance around the air vents.

Wall mount

The Edge 510 LTE includes two wall mount brackets.

⚠ **WARNING: When mounting the Edge 510 platform to the wall, face the Ethernet ports up towards the ceiling and the system status LED panel facing the floor.**

ⓘ **NOTE:** Ensure that the platform is in a well-ventilated environment with clearance around the air vents.

Wall mount brackets have a cross-shaped cutout.

ⓘ **NOTE:** Before mounting the unit to the wall, verify that the wall surface is strong enough to support the platform, power cable and power adapter, and network cabling.
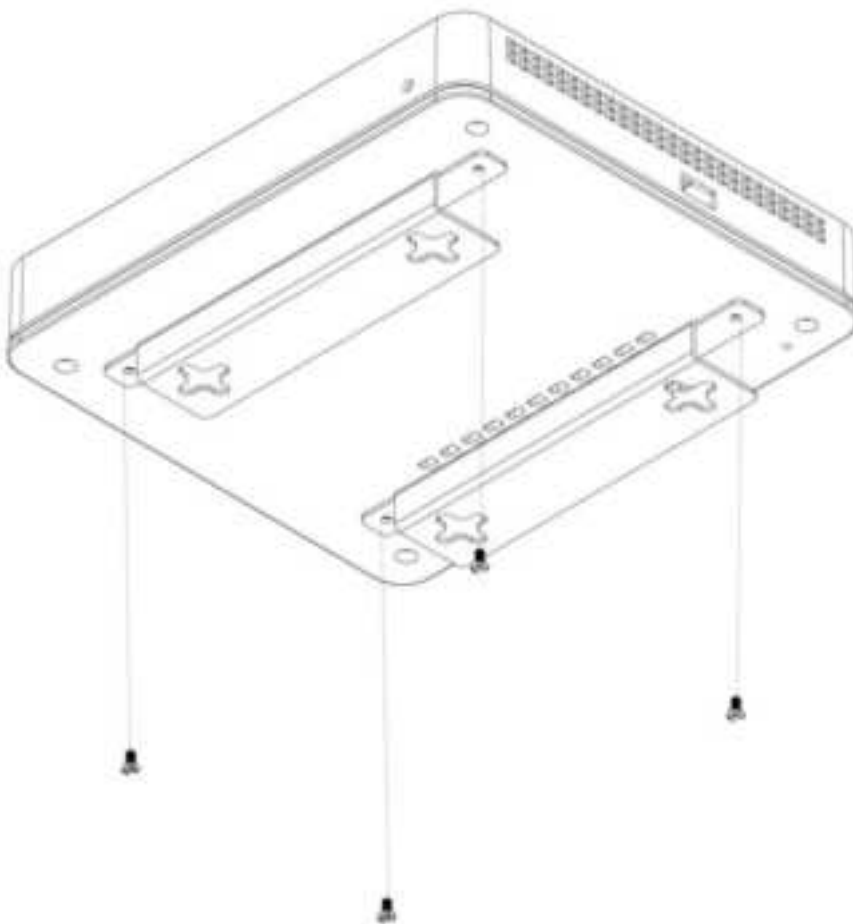
Wall mount bracket installation

1. Remove the feet from the bottom side to attach the brackets.
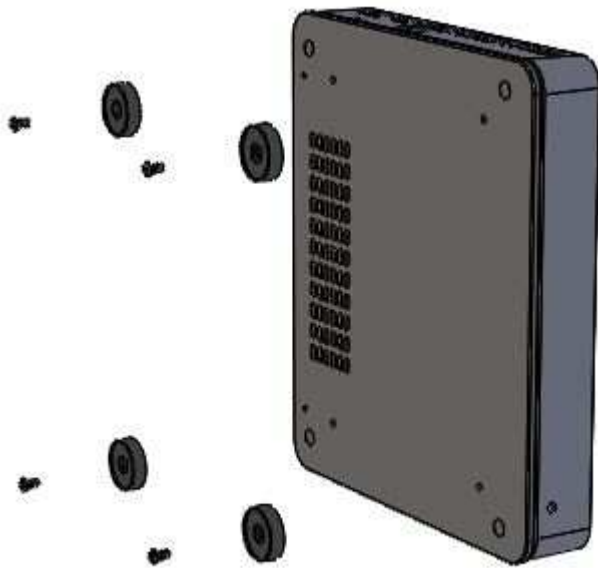
(i) **NOTE:** The rubber feet must be removed because they share the same screw holes with the wall mount brackets.

2. Using a torque screwdriver, attach the included wall mount brackets to the platform using the four M3 screws that mounted the rubber feet.

3. Anchor the screws into the wall surface.
4. Slide the cross-shaped cutouts of the wall. mount brackets into the screws that are anchored to the wall
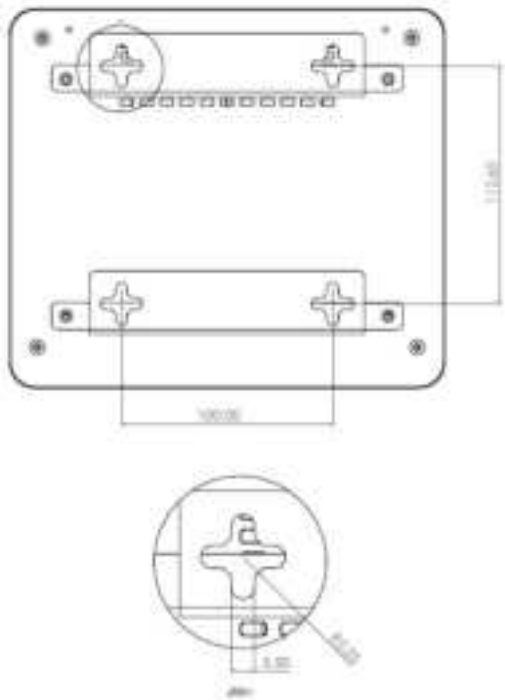
> ⚠️ **WARNING: When mounting the platform to the wall, face the Ethernet ports up towards the ceiling and the system status LED panel down, facing the floor.**
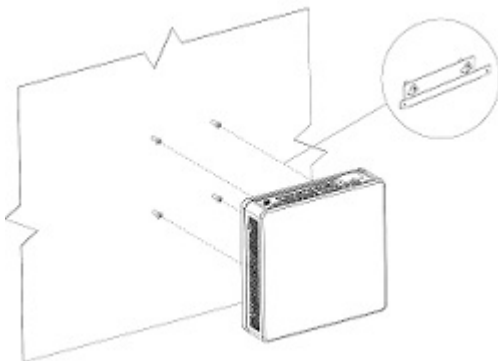
Keyhole-shaped bracket installation

Rack mount

As an option, you can mount the Edge 510 LTE platform to a dual rackmount tray. Purchase the dual rackmount tray separately. You must have a torque screwdriver to complete this installation.

ⓘ **NOTE:** Verify that you torque to 5 lb-in when driving the screws into the bracket and platform.

ⓘ **NOTE:** Remove the rubber feet from the bottom of the platform when mounting on a rack mount tray.

ⓘ **NOTE:** Ensure that the platform is in a well-ventilated environment with clearance around the air vents.

1. Place one or two Edge 510 LTE platforms in the dual rackmount tray.
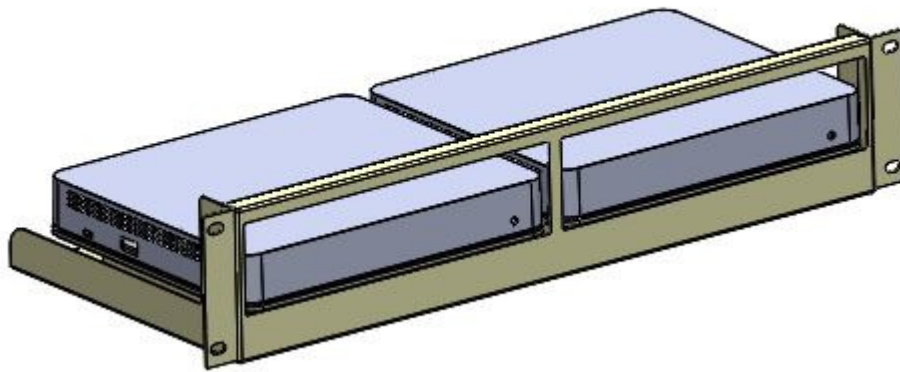
2. Use the eight included M3 screws to attach the platforms to the dual rackmount tray.

   Use four screws for each platform.
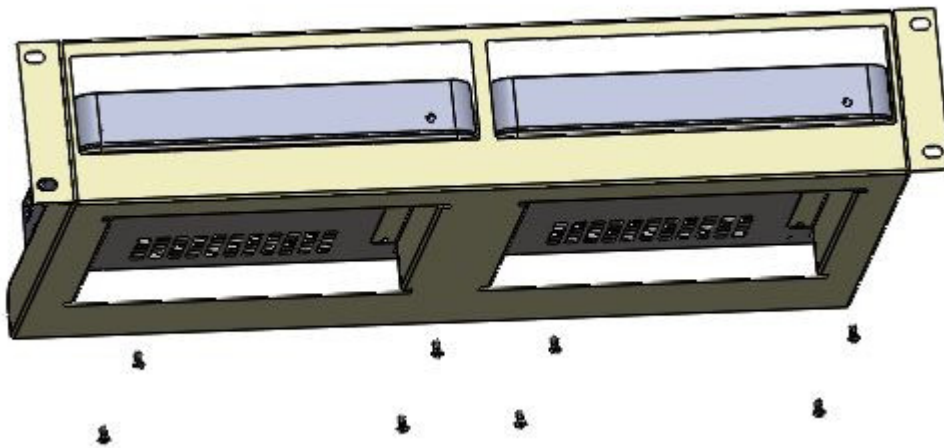
3. Install the rackmount tray in to your rack using the installation instructions included with the tray.

Platform power-on

Before you turn on the platform, reinspect the rack mounting or desktop placement of the platform. Verify that the power supply to the Edge 510 LTE is secure.

Verify the following:
- The ambient temperature around the platform, which may be higher than the room temperature, is within the limits that are specified for the Edge 510 LTE. For more information, see Specifications.
- There is no source of heat near the unit.

(i) **NOTE:** If components are mishandled, ESD damage can occur. Always wear an ESD-preventive wrist or heel ground strap when handling the platform and components.

Platform setup

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

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

- Place unit near a properly grounded AC power outlet
- In a temperature-controlled room with a temperature range from 0°C to 40°C (32°F to 104°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

The numbers one through four in the following figure correspond to the setup procedure:

1. Connect the DC power connector on the power adapter to the power port on the Dell EMC Edge 510 LTE and secure it by turning the lock-screw. Connect the AC power cable to the power adapter and plug the other end of AC power cable into AC power outlet.

   (i) **NOTE:** Connect the power adapter to a properly wired earth-ground AC power outlet.

2. Attach either the GE3 or GE4 1 Gb WAN Ethernet port to an available Internet connection.

   (i) **NOTE:** Use **ONLY** the GE3 or GE4 1 Gb WAN Ethernet ports for Internet connection.

- GE3, GE4 1 Gb WAN Ethernet ports

   (i) **NOTE:** By default, the Edge gets a DHCP IP address from the ISP on the WAN uplink. When the WAN connection is fully operational, the service indicator LED on the front of the Edge 510 LTE is green.

3. Connect local devices such as computers and switches **ONLY** to the GE1 or GE2 ports, or through the Edge Wi-Fi.

   (i) **NOTE:** Use **ONLY** the GE1 or GE2 1 Gb Ethernet port for LAN connection to a laptop or switch.

   - GE1 or GE2

   (i) **NOTE:** Ensure your laptop has Dynamic Host Configuration Protocol (DHCP) enabled to receive an IP address from the Edge 510 LTE.

4. Open the received activation email. See Configure Edge activation.

   (i) **NOTE:** If you did not receive an email, request the setup instructions for your IT administrator or contact your Dell EMC sales representative.

5. Follow the instructions in the email to complete the Edge 510 LTE activation.

   (i) **NOTE:** Keep your email application open during activation.

   ```
   Connect your device to power and any either ethernet cables or USB modems. Find and
   connect to the Wi-Fi network that looks like velocloud- followed by 3 more letters/
   numbers (e.g. velocloud-xyz), (where xyz is the last three digits of service tag of the
   Edge510 unit), and use vcsecret as the password. If your laptop does not have Wi-Fi,
   connect to it using an Ethernet cable.
   ```

   (i) **NOTE:** Use **ONLY** LAN port GE1 or GE2 to connect an Ethernet cable to a computer or switch.
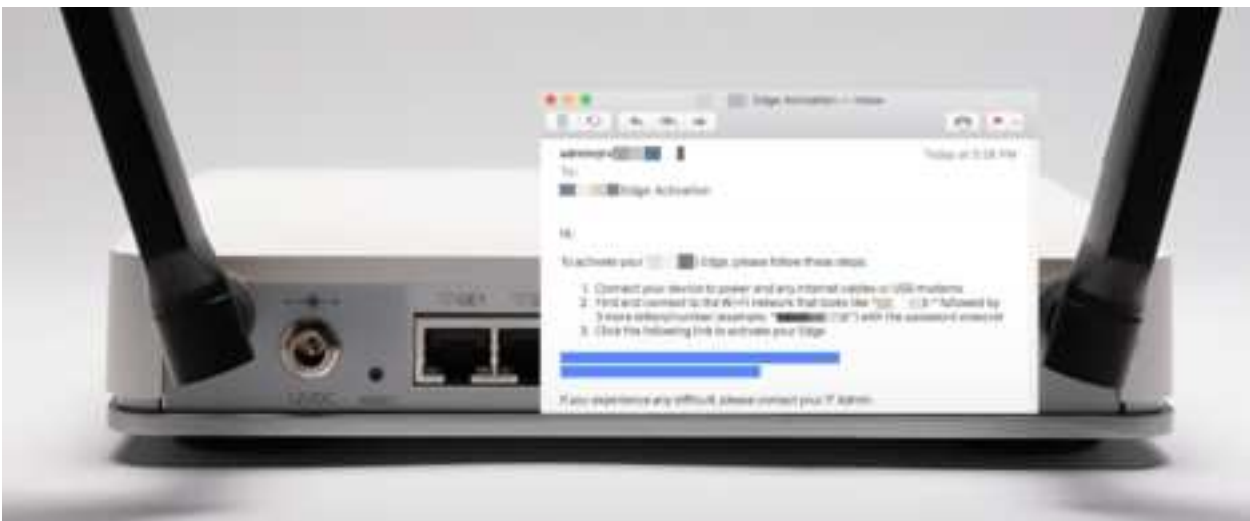
6. Click the activation URL which updates the cellular area and activates the SIM card in the Edge 510 LTE unit.

Configure Edge 510 LTE activation

(i) **NOTE:** The following activation is through the GE3 or GE4 WAN port, **NOT** through a carrier SIM card. For SIM card activation, contact your IT department.

Contact Dell Technologies for a VMware SD-WAN Orchestrator account.

Use you personal computer to connect to your SD-WAN Orchestrator account to request an activation key and configure the new Edge 510 LTE unit.
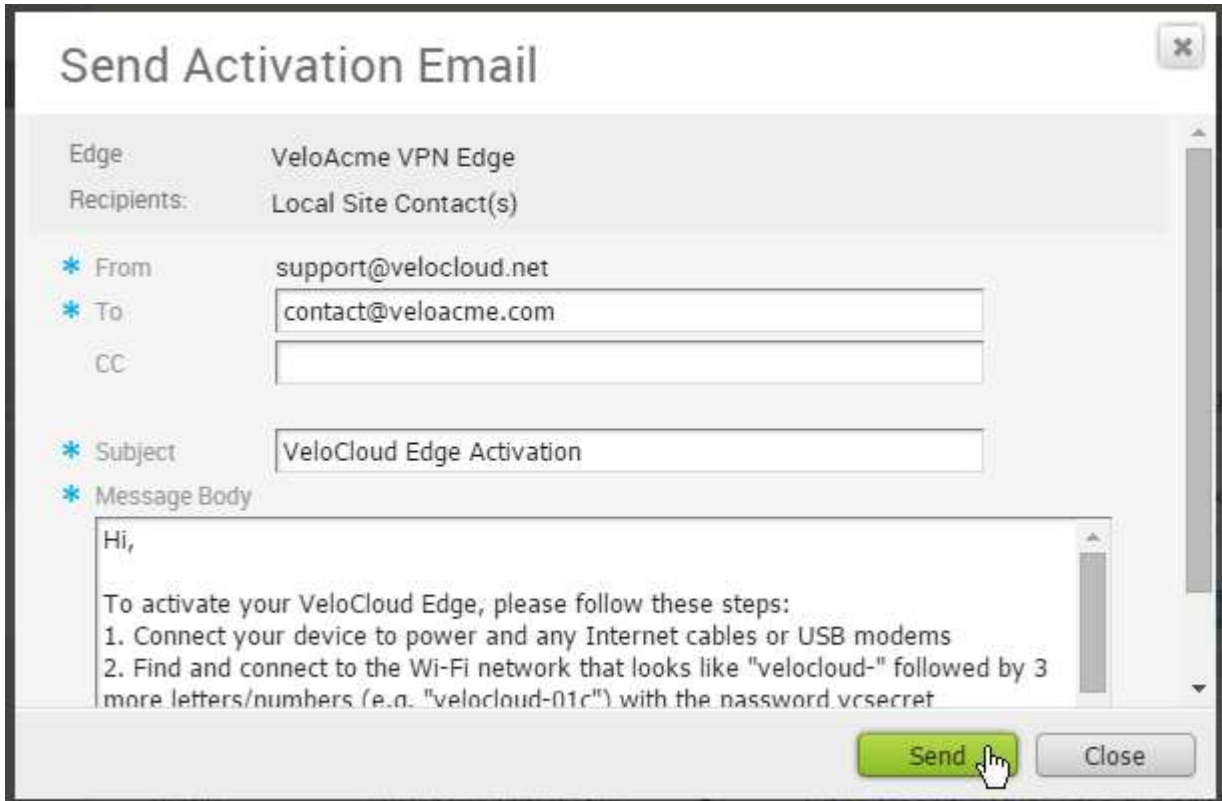
Assign an activation key

1. Select the **Edge Overview** tab.
2. Select **Send Activation Email**.
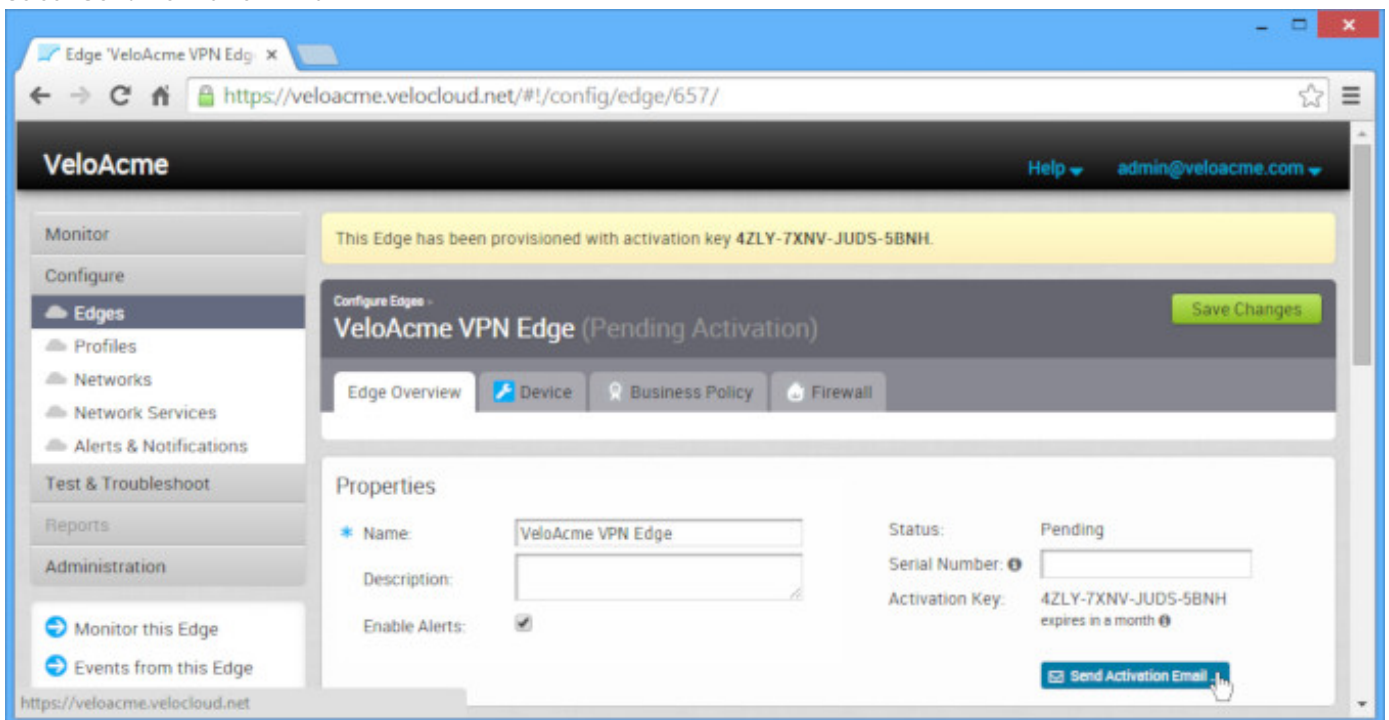
3. Enter a valid email address in the activation display window that is sent to a site contact. This **Send Activation Email** wizard includes sample activation instructions in the message body that is sent to the Site Contact to help connect and activate the Edge 510 LTE hardware.

4. Add additional instructions for connecting specific site WAN and LAN networks to Edge 510

LTE.

ⓘ **NOTE:** If an Edge 510 LTE is device configured for release 3.4, the settings in the Activation email are for cellular settings, for example **SIM PIN**, **Network**, **APN**, and **Username**.

ⓘ **NOTE:** Run the **LTE Modem Information** diagnostic test for troubleshooting purposes for a configured Edge 510 LTE device. The **LTE Modem Information** diagnostic test gathers diagnostic information like, signal strength, and connection information.

ⓘ **NOTE:** Check your email for the activation invitation.

Specifications

This section lists the Edge 510 LTE Series specifications.

(i) **NOTE:** For RoHS information, see Restricted Material Compliance.

Topics:

- Chassis physical design
- IEEE standards
- Agency compliance
- Product recycling and disposal

Chassis physical design

Table 2. Edge 510 LTE specifications

Feature	Specification
Size	• 8.1 in x 7.1 in x 1.57 in (W x D x H) • 20.6 cm x 18.0 cm x 4.0 cm (W x D x H)
Weight (i) **NOTE:** Platform weight does not include power adapter weight.	• 2.29 lbs • 0.91 Kg
AC power input	100 VAC–240 VAC, 50/60 Hz
AC maximum current draw per system	• 100 VAC: 1.5 A • 240 VAC: 0.9 A
Typical power consumption	• 15 W
Maximum power consumption	• 28 W
RoHS information	Go to: Restricted Material Compliance.

Table 3. Edge 510 LTE temperatures

Feature	Specification
Operating temperature	0 °C–40°C (32 °F–104°F)
Storage temperature	–40 °C–70°C (-40°F to 158°F)
Operating relative humidity	• 5% to 85% (RH), noncondensing continuously • 5% to 90% (RH), noncondensing short-term (< 1% of operational hour per year)
Storage relative humidity	5% to 90% (RH)
Operating altitude	• Maximum: 10,000 ft (3,048 meters)

IEEE standards

The Edge 510 LTE complies with the following IEEE standards:

- 802.1ab—LLDP
- 802.1ax—Layer 2
- 802.1d, 802.1w, 802.1s, 802.1x—Mgmt/Security; 802.3x—Layer 2

Agency compliance

The Edge 510 LTE complies with the following safety and agency requirements:

USA Federal Communications Commission statement

⚠️ **CAUTION: The use of external signal amplifiers in-line with the transceiver antennas is strictly prohibited.**

⚠️ **CAUTION: Use only the antenna(s) which have been approved by the applicant. Non-approved antenna(s) may produce unwanted spurious or excessive RF transmitting power which may lead to a violation of FCC/IC limits and is prohibited.**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures.

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

FCC caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Radiation exposure statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Industry Canada Statement

⚠️ **CAUTION: The use of external signal amplifiers in-line with the transceiver antennas is strictly prohibited.**

⚠ **CAUTION: Use only the antenna(s) which have been approved by the applicant. Non-approved antenna(s) may produce unwanted spurious or excessive RF transmitting power which may lead to a violation of FCC/IC limits and is prohibited.**

⚠ **CAUTION: L'utilisation d'amplificateurs de signal externes en ligne avec les antennes de l'émetteur-récepteur est strictement interdite.**

⚠ **CAUTION: Utilisez uniquement les antennes approuvées par le demandeur. Une ou plusieurs antennes non approuvées peuvent produire une puissance de transmission RF parasite ou excessive, susceptible d'entraîner une violation des limites FCC / IC et est interdite.**

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. l'appareil ne doit pas produire de brouillage, et
2. l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

This device complies with RSS-GEN, RSS-210, RSS-130, RSS-132, RSS-133, RSS-139, RSS-195, RSS-199 & RSS-247 of Industry Canada. Operation is subject to the condition that this device does not cause harmful interference.

Cet appareil est conforme à la norme RSS-GEN, RSS-210, RSS-130, RSS-132, RSS-133, RSS-139, RSS-195, RSS-199 & RSS-247 d'Industrie Canada. L'opération est soumise à la condition que cet appareil ne provoque aucune interférence nuisible.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter, except tested built-in radios.

Cet appareil et son antenne ne doivent pas être situés ou fonctionner en conjonction avec une autre antenne ou un autre émetteur, exception faites des radios intégrées qui ont été testées.

Radiation Exposure Statement: This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Déclaration d'exposition aux radiations: Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

Caution:

1. The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
2. The worst-case tilt angle(s) necessary to remain compliant with the eirp elevation mask requirement set forth in Section 6.2.2(3) shall be clearly indicated.
3. Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

Avertissement:

1. Les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;
2. Les pires angles d'inclinaison nécessaires pour rester conforme à l'exigence de la p.i.r.e. applicable au masque d'élévation, et énoncée à la section 6.2.2 3), doivent être clairement indiqués.
3. De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

Brasil – Aviso da Anatel

Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.

European Union

EU Declaration of Conformity

Declaration #550004 for Velocloud Edge Wireless Gateway Model: Edge510

Manufactured by: Velocloud Networks, Inc. Address: 3401 Hillview Ave Palo Alto, CA 94304

This Declaration of Conformity is issued under the sole responsibility of Velocloud Networks for: Product Name: Velocloud Edge WirelessGateway Model: Edge 510

The above product has been assessed and found to be in conformity with the essential requirements of the following EU Directives:

2014/30/EU 2014/35/EU 2014/53/EU

Electromagnetic Compatibility Low Voltage Directive EU R&TTE

The following is a list and reference to the relevant Harmonised Standards used:

EN 55032:2015

EN 55024:2010

EN 301 489-1 V2.2.0

EN 301 489-17 V3.2.0

EN 300 328 V2.1.1

EN 301 893 V2.1.1

EN 302 502 V2.1.1

EN 62311:2008

EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

EN 301 908 13 V11 1. 2

The CE testing and RED GAP analysis was performed by a third party test lab, Compatible Electronics, Inc.,.Lake Forest, CA. The report number is D70829Q1.

Signed for and on behalf of: Velocloud Networks, Inc. Date: 4/16/2019 Place of issue: 3401 Hillview Ave Palo Alto, CA 94034

Signed By: Robert Bortolotto Title: Sr. Director of Engineering Signature:

Mexico

Mexican compliance.

La operación de este equipo está sujeta a las siguientes dos condiciones:
1. es posible que este equipo o dispositivo no cause interferencia perjudicial y
2. este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

Taiwan

Taiwanese certification of compliance

台灣: 國家通訊傳播委員會 低功率電波輻射性電機管理辦法 第十二條經型式認證合格之低功率射頻電機，非經許可，公司、商號 或使 用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。 第十四條低功率射頻電機之使用不得影響飛航安全及干 擾合法通信；經發 現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。 前項合法通信，指依電信法規定作業之 無 線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。 在 5.25-5.35 秭赫頻帶內操作 之無線資訊傳輸設備，限於室內使用

Product recycling and disposal

Recycle or discard this appliance according to applicable local and national regulations. Dell EMC encourages owners of information technology (IT) equipment to responsibly recycle their equipment when it is no longer needed. Dell EMC offers various product return programs and services in several countries to assist equipment owners in recycling their IT products.

Waste electrical and electronic equipment (WEEE) directive for recovery, recycle, and reuse of IT and telecommunications products

Dell EMC appliances are labeled in accordance with European Directive 2002/96/EC concerning waste electrical and electronic equipment (WEEE). The Directive determines the framework for the return and recycling of used appliances as applicable throughout the European Union. This label is applied to various products to indicate that the product is not to be thrown away, but rather reclaimed upon end of life per this Directive.

Figure 3. The European WEEE symbol

In accordance with the European WEEE Directive, electrical and electronic equipment (EEE) is to be collected separately and to be reused, recycled, or recovered at end of life. Users of EEE with the WEEE marking per Annex IV of the WEEE Directive, as shown above, must not dispose of end of life EEE as unsorted municipal waste, but use the collection framework available to customers for the return, recycling and recovery of WEEE. Customer participation is important to minimize any potential effects of EEE on the environment and human health due to the potential presence of hazardous substances in EEE.

Dell EMC products, which fall within the scope of the WEEE, are labeled with the crossed-out wheelie-bin symbol, as shown above, as required by WEEE.

For information about Dell EMC product recycling offerings, see the WEEE Recycling instructions on Support. For more information, contact the Dell EMC Technical Assistance Center.

Dell EMC support

The Dell EMC support site provides documents and tools to help you effectively use Dell EMC equipment and mitigate network outages. Through the support site you can obtain technical information, access software upgrades and patches, download available management software, and manage your open cases. The Dell EMC support site provides integrated, secure access to these services.

To access the Dell EMC support site, go to www.dell.com/support/. To display information in your language, scroll down to the bottom of the web page and select your country from the drop-down menu.

- To obtain product-specific information, enter the 7-character service tag, or the 11-digit express service code of your appliance and click **submit**. To view the appliance service tag or express service code, pull out the luggage tag on the upper-right side of the appliance.
- To receive more technical support, click **Contact Us**. On the Contact Information web page, click **Technical Support**.

To access documentation, go to www.dell.com/manuals/.

To search for drivers and downloads, go to www.dell.com/drivers/.

To participate in Dell EMC community blogs and forums, go to www.dell.com/community.