Actineon Splunk SPLKEH201GL Edge Hub User Manual

Splunk SPLKEH201GL Edge Hub
User Manual and Safety Information

Contents

Splunk SPLKEH201GL Edge Hub

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Important Safety Information

Customer safety is of foremost importance to Actineon. Actineon’s products are developed to be safe and effective products for deployment by a variety of customers. However, PC products, network devices, and gateways are electronic devices that can cause both personal harm and property damage, especially when misused. To reduce these risks and create a safer work environment, please read and follow the safety advice provided for this equipment.

1. **Safety and Advisory Conventions**

   There are four types of safety and advisory conventions used in this guide. These conventions include: WARNING, CAUTION, EMISSIONS and NOTES. Graphical representations of these conventions accompanied by their meaning in context of this guide are provided below.

   WARNING

   A WARNING symbol indicates the potential for personal harm or injury and advises the user how to avoid such harm.

   CAUTION

   A CAUTION symbol indicates the potential for equipment damage and advises the user how to avoid such damage.

   RADIATED EMISSIONS

   A RADIATED EMISSIONS symbol indicates the potential for excessive electromagnetic emissions and advises the user how to avoid such emissions.

   HIGH TEMPERATURES

   A HIGH TEMPERATURE symbol indicates the potential for excessive heat and advises the user how to avoid such injury or equipment damage caused by high temperatures.

   NOTES

   A NOTE symbol helps make important information stand out.

2. **Warning Against Use in High Risk Activities**

The Splunk Edge Hub is NOT intend for use in life support systems; in the operation, navigation or traffic control of aircraft; in monitoring or control of nuclear power plants; or for any other use where failure of the system could lead to the death or personal injury of its users or those influenced by its use, or severe environmental damage.

3. **Do Not Open the Splunk Edge Hub**

The Splunk Edge Hub contains no field serviceable or upgradeable parts. DO NOT OPEN THE SYSTEM UNIT. Only qualified service personnel should open the Splunk Edge Hub.

Any attempt to open the enclosure and access the interior may create a personal hazard, cause damage to this or other equipment, or create excessive electronic emissions.

In addition, opening the Splunk Edge Hub voids the product warranty.

4. **Common Safety and Use of the Splunk Edge Hub**

Read and understand all safety related material furnished with the system before using the system. Use of procedures other than those specified in this documentation may create a personal hazard, cause damage to this or other equipment, or create excessive electronic emissions.

Common guidelines:

• The AC power cord and PoE cable must be unplugged or the source of the AC power to the system must be removed to completely remove power from the system. Even when the system appears to be off, if the AC power cord or PoE is plugged in and an AC power source is available, voltage and current within the system may create a personal hazard or cause damage to this or other equipment.

• Do not install this product or make any electrical or cabling connections during an electrical storm.

• Connect all AC power cords to this equipment and any attached peripherals to a properly wired and grounded electrical outlet.

• Avoid exposing the system and attached cables to extreme temperature, excessive vibration, or excessive radiated emissions.

• Follow the recommended guidelines for orientation, clearance and airflow surrounding the chassis included in this manual.

• Ensure that nothing unintended rests on cables attached to the Splunk Edge Hub, and that the attached cables are not located where they can be stepped on or tripped over.

• Ideally Use a surge protector, line protector, or uninterruptable power supply to help protect your system from sudden increases or decreases in electrical power.

• When inserting or removing cables attached to the Edge Hub, do so by gripping the connectorassociated with the cable firmly and pulling or pushing on the connector. Do not insert or remove cables attached to the Edge

Hub by pushing or pulling on the cable or cord. When possible, use only one hand in connecting or disconnecting power and signal cables.

• Only use the AC power cable supplied with the Edge Hub, or a cable that has been authorized as a replacement cable by Actineon, or a safety certified 4 Pair CAT5E or better cable for PoE power.

• Refer service and repair to a qualified professional.

5. **When to Remove Power from the Splunk Edge Hub**

   ⚠⚠ As outlined above, either the AC power cord to the Edge Hub must be unplugged or the AC source to the Edge Hub must be removed in order to completely remove power within the Edge Hub.

   AC power should be removed from the Splunk Edge Hub if any of the following circumstances are true

   • You intend to move the system

   • You notice a cord or cable that has been cut or frayed, especially the AC power cord

   • The enclosure is damaged or dented in some fashion beyond normal wear and tear

   • You see or smell smoke coming from the system or components surrounding the system

   • You suspect the system needs servicing for any other reason

6. **Cleaning the Splunk Edge Hub**

   ⚠⚠ Routine cleaning or servicing of the Edge Hub is not required. Keep the computer and workspace around the Edge Hub clean and free of dust, dirt, and other particulate matter.

   If a buildup of dust or lint is noted on or in the machine, or if cleaning is required for the exterior case, please follow the guidelines provided below.

   Things to avoid when cleaning the Edge Hub

   • Do not spray any type of liquid or aerosol on or in the Splunk Edge Hub.

   • Do not use solvents, abrasives or flammable materials on or around the Splunk Edge Hub.

   • Avoid getting excessive amounts of moisture on or in the Splunk Edge Hub.

   How to clean the Splunk Edge Hub

   • Shut down the system.

   • Remove all cables and cords attached to the system.

   • Vacuum the vent holes on the front and rear panels of the enclosure to draw out lint and other particulate matter that may have gathered inside.

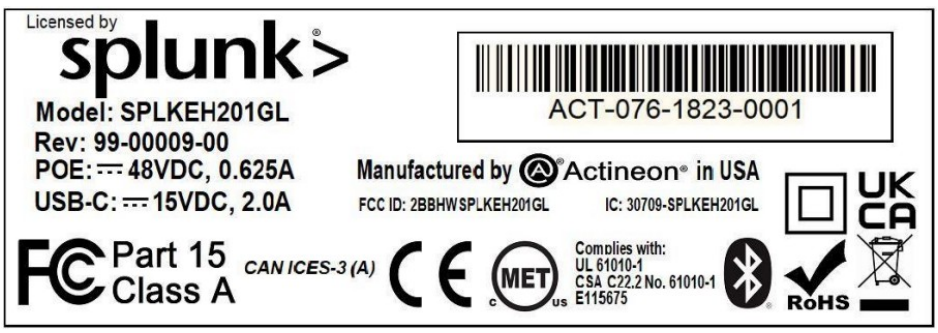
   • Spray a small amount of detergent or cleaning solution on a clean, lint-free cloth and use the cloth to wipe down the exterior of the system.

7. **Contacting Splunk**

   For any other issues concerning safe and effective use of this product, please contact your Splunk OEM, VAR or system integrator partner, or alternatively contact Splunk directly.

   Email: Insert contact info

Regulatory, Compliance and Safety Statements Example Regulatory Marking Label



The above image represents an example of the serial number / regulatory marking label attached to each Edge Hub unit. Information regarding the regulatory standards with which the Edge Hub complies and the relevant markings included on the label are explained below.

1. **Electrical Safety Standards**

   The Splunk Edge Hub is for use with safety certified products only.

   The Splunk Edge Hub has met the safety requirements for UL61010-1/CSA C22.2 No. 610101, Third Edition: Safety of Electical Equipment for Measurement, Control, and Laboratory Use for the US and Canadian markets. It also compliant to IEC 61010-1:2010, IEC 610101:2010/AMD:2016 and EN 61010-1L 2010 (3rd Edition) Corr 7-31-2011 Electical Equipment for Measurement, Control, and Laboratory Use.

2. Federal Communications Commission (FCC) Declaration of Conformity

   FC

   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.

   NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

   NOTES:

   • Connecting this device to peripheral devices that do not comply with Class A requirements or using an unshielded peripheral data cable could also result in harmful interference to radio or television reception.

   • The user is cautioned that any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

   • To ensure that the use of this product does not contribute to interference, it is necessary to use shielded I/O cables.

3. **Industry Canada Class A Emission Compliance Statements**

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

   This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

   (1) This device may not cause interference.

   (2) This device must accept any interference, including interference that may cause undesired operation of the device.

4. **CE Compliance**

   CE The mark indicates that the Edge Hub complies with the relevant European Economic Area (EEA) directives. These include EN61010 for electrical safety under the low voltage directive. Relevant EMC standards include ETSI EN 301 489 -1/-3/-17/-19/-52 Class A, Radiated Emissions (30MHz – 6GHz: upper frequency range AC Conducted Emissions Power (150kHz – 30MHz, 230V 50Hz), Telecom Line Conducted Emissions (150kHz – 30MHz), EN 61000-3-2 Harmonic & EN 61000-3-3 Flicker, EN 61000-4-2; ESD, EN 61000-4-3; Radiated Immunity; 80Mhz-1GHz ,3V/m ;80% AM 1Khz, 1GHz-6GHz; 3V/m, EN 61000-4-4; EFT/B,

EN 61000-4-5; Surges, EN 61000-4-6; Conducted Immunity, EN 61000-4-8; Magnetic Immunity, EN 61000-4-11; Voltage Interruptions. Relevant Wireless standards include EN 301 908-1– Intentional Radiator: LTE-CAT-M: B1, B3, B8, B20, B28 LTE-NB-IOT: B1, B3, B8, B20, B28; ETSI EN 301 893/ EN 302 502– Intentional Radiator WLAN (20/ 40/ 80 MHz) Frequency Range: 5180 MHz – 5825 MHz; EN 300 328 – Intentional Radiator WLAN B/G/N (20/ 40MHz) Frequency Range: 2412-2472 MHz; EN 300 328 – Intentional Radiator Bluetooth(BLE/EDR/BDR) Frequency Range: 2412-2472 MHz; GNSS EN 303 413.

5. **Power Cord Notice**

   For your safety, Actineon provides a wall adapter and USB-C power cord with a grounded attachment plug to use with this product. To avoid electrical shock, always use the power cord and plug with a properly grounded outlet. The power cords provided by Actineon have been selected to uphold safety, emissions, and environmental regulations.

   Actineon does not provide PoE cables with the Edge Hub, but the Edge Hub is capable of operating on PoE power. To safely power the Edge Hub over PoE, users must use a 4 Pair CAT5E or better cable. In all cases, users must only use power cables that have been certified to meet the appropriate safety standards for the country in which the Edge Hub will be installed.

6. **Keep 20cm Distance between Radiator and Body**

   This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

7. **Polyvinyl Chloride (PVC) Cable and Cord Notice**

   Warning: It has been asserted that handling electronic cables, wires and cords with polyvinyl chloride (PVC) insulation or jacketing may result in exposure to lead or other substances identified by the state of California to cause cancer or reproductive toxicity.

   The following statement applies to users in the state of California, U.S.A.

   Perchlorate material: special handling may apply. Go to: http://www.dtsc.ca.gov/hazardouswaste/perchlorate

   The following statement applies to users in the state of California, U.S.A.

8. **Bluetooth Sig Mark**

   The Bluetooth mark indicates that the Edge Hub has been completed the Bluetooth Qualification Process under the Bluetooth Special Interest Group (SIG).

9. **UKCA Mark**

   The UKCA mark indicates that the Edge Hub complies with the standards required to place products on the market in the United Kingdom.

10. **Insulation Marking**

    The double insulation symbol ⧈ indicates that the Edge Hub is protected throughout by double insulation or reinforced insulation as defined by IEC 60417-5172 (2003-02).

11. **Directive 2017/2102 on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS)**

    Splunk, Inc. confirms that Splunk Edge Hub complies with the chemical concentration limitations set forth in the Directive 2017/2102/EC of the European Parliament (RoHS). The Splunk Edge Hub does not contain in excess homogenous material that:

    • contain Cadmium (Cd) in excess of 0.01% by weight (100 ppm)

    • contain Hexavalent Chromium (Cr VI) in excess of 0.1% by weight (1,000 ppm)

    • contain Lead (Pb) in excess of 0.1% by weight (1,000 ppm) in any form

    • contain Mercury (Hg) in excess of 0.1% by weight (1,000 ppm)

• contain Polybrominated Biphenyl (PBB) or Polybrominated Diphenyl Ether (PBDE) in excess of 0.1% by weight (1,000 ppm)

• contain Lead (Pb) in excess of 0.35% by weight (3,500 ppm) for Steel Alloys

• contain Lead (Pb) in excess of 4.0% by weight (40,000 ppm) for Copper Alloys

• contain Lead (Pb) in excess of 0.40% by weight (4,000 ppm) for Aluminum Alloys

Note: Lead usage in some components is exempted by the RoHS Annex until 21 Jul, 2024; therefore, higher lead concentration may be found in some modules (>0.1%).

12. **Waste electrical and electronic equipment (WEEE) notices**

    Splunk encourages owners of information technology (IT) equipment to responsibly recycle their equipment when it is no longer needed.

    The WEEE mark applies only to countries within the European Union (EU) and Norway.

    Appliances are labeled in accordance with European Directive 2012/19/EU 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.

    Users of electrical and electronic equipment (EEE) with the WEEE marking per Annex IV of the WEEE Directive must not dispose of end of life EEE as unsorted municipal waste, but use the collection framework available to them for the return, recycle, and recovery of WEEE and minimize any potential effects of EEE on the environment and human health due to the presence of hazardous substances

System Information

This chapter provides an overview of the features, options and input/output available for the Splunk Edge Hub. The Splunk Edge Hub is designed to be an OEM product and is not intended for user-upgrades or service. Adding, removing or changing system components can create a safety hazard and voids Splunk's warranty. This unit should only be serviced by trained personnel.

1.1 Features

This section provides an overview of features available for the Splunk Edge Hub.

Product Specification

- Rugged, durable design.

  Water, Moisture, and Splash Resistant

  Powerful Processing Capabilities

  PoE Capabilities

  All in One Edge Solution

Connectivity Options

- RJ45 Gigabit PoE
- LTE
- WiFi

- GNSS
- Bluetooth

Processor

- SOM, Verdin IMX8M+ Quad 8GB

Memory

- 8GB On SoM

Back Panel I/O

- RJ45 PoE
- 2x USB 3.0
- 1x USB-C Power
- 1x SMA Antenna Mount
- 1x I2 C Jack

Front Panel I/O

- On/Off Rubber Push Button

Ethernet Connections

- 1x Gigabyte PoE RJ45 Port

USB-C Adaptor

- 100 to 240VAC/50 to 60Hz 0.8A Input
- Type C 5v==3.0A, 9V==3.0A, 12V==2.5A, 15V==2.0A, 20V==1.5A, 30W Max Output.

1.0 Physical Specifications
This section provides the physical specifications for the Splunk Edge
This section provides the physical specifications for the Splunk Edge
Hub. Electrical (Auto Ranging)

- Voltage Range: 100 to 240 Volts AC
- Frequency Range: 50 to 60 Hz

Dimensions

- Width: 14.9 cm
- Length: 12.2 cm
- Height: 4 cm

Weight

- Standard configuration: 640 Grams

Temperature:

- Normal Operating Conditions: 0 to +40 degrees C
- Extended Environmental Operating Range: -40 to +85 degrees C
- Warning-Unit may be too hot to touch in situations of high ambient temperatures or extremely high load. Always exercise caution before touching the unit.
- Non-operating: -40 to +80 degrees C (in package)
- Non-operating: -20 to +60 degrees C (outside packaging)

Humidity:

- Operating: 5% to 90% relative humidity, non-condensing
- Non-Operating: 5% to 90% relative humidity, non-condensing

Maximum Altitude:

- Operating: Sea level to 10,000 ft.
- Non-Operating: Sea level to 30,000 ft.

Vibration:

- Operating: 1g per IEC 60068-2-64, 5 to 500 Hz, 1 octave/min., 3 axis
- Non-Operating: 5g per IEC 60068-2-64, 5 to 500 Hz, 1 octave/min., 3 axis

Shock:

- Operating: 20g per IEC 60068-2-27, half sine, 11ms duration, 3 axis
- Non-Operating: 50g per IEC 60068-2-27, half sine, 11ms duration, 3 axis (in package)

1.1 Input/Output Connections, Status, and Control
The Splunk Edge Hub is a very versatile machine suitable for a wide variety of computing applications that demand flexibility and many I/O ports in a very small form factor. The Splunk Edge Hub contains several industry standard connections as described below.
1.1.1 USB Connections
The USB connections in the Splunk Edge Hub use:
o USB 3.0 connections (Including USB 3.1, 3.2) that use blue connectors
Images of the USB connectors provided on the Splunk Edge Hub are below
USB 3.0 Connectors (Blue)

USB Ports are capable of supplying +5VDC power to external devices. Make sure that the external devices and cables connected to the Splunk Edge Hub are in good working order and comply with USB standards. Splunk recommends the use of high-quality shielded cables for all external USB connections.
The blue USB 3.0 super speed ports on the Splunk Edge Hub can supply 0.9 amps at +5V to attached loads. Do not attempt to supply more power to an external connection than is recommended

1.1.2 Industry Standard Connectors used on the Splunk Edge Hub

A brief graphical representation of other Splunk Edge Hub industry standard connectors is included below for convenient reference.

Function	Connector Type	Image
USB 3.0 Input/Output	USB	
USB-C Power	USB	
Wired Ethernet, PoE	RJ-45	
Optional Wireless Ethernet (Connected to external antenna)	SMA	
I2C	3.5mm	

System Installation and Setup

This chapter provides an overview of the how and where to install the Splunk Edge Hub. The Splunk Edge Hub's small size, light weight and mounting brackets make it convenient for mounting in a variety of situations and orientations including above or below a horizontal surface or on the side walls of an enclosure.
In addition to size, orientation and airflow considerations highlighted on the following pages, there are several factors that should be considered in the selection of an optimum location for the Splunk Edge Hub. Some of these factors include the following:

- It should be a clean location
- The location should be selected to minimize dust, dirt, and airborne contaminants

- The ambient air temperature must be considered
- Provisions should be made for adequate air flow and overall enclosure cooling
- An attempt should be made to minimize shock and vibration on the mounting surface
- Cable lengths and cable routing provisions for attached devices should be considered
- Proximity to a neighboring power supply should be taken into account
- The need for a surge protection device or uninterruptible power supply should be reviewed
- If manual startup and shutdown are desired, access to the power button must be assured
- It should not be placed in a way that is difficult to plug in or remove the power adapter from the Edge Hub
-  System should only be set up or physically touched when ambient temperatures are in the normal operating range of 0-40 degrees C. The system can gather data and be controlled remotely in extended environmental range of 40ºC to 85ºC but users must NOT physically touch the unit when the unit is outside this range.

Proper attention to the above considerations can vastly improve the ease of installation and need for maintenance on any electronic device, including the Splunk Edge Hub.

Instructions for Use

- Take edge hub out of packaging and visually inspect computer to ensure that there are no damage or irregularities that may have happened during shipping and that no components are missing
- Place the edge hub at the desired location and consider the placement factors that are listed above. Do not place in a manner or location that may be hazardous
- Press the universal “on” button to start the computer. Computer display should be running, lights should turn on, and minimal noise should be made.
- If the computer fails to turn on, check that the power supply is connected.
  If sparks, irregular noises, or other issues happen immediately unplug the computer and contact Splunk Customer Service.
- Connect any peripheral devices, such as a sensor, to the appropriate ports or connectivity options on the Edge Hub.
- Turn on the display and power on the edge hub by pressing the power button.
- Follow the on-screen prompts to set up the Edge Hub, which may include configuring the language and keyboard settings, creating a user account, and setting up a network connection.
- Install any necessary software or drivers for the connected peripheral devices.
- Once set up is complete, the edge hub is ready for use.
- The unit comes does not need to be grounded as it comes with an insulated case and an external power adapter. The power adapter comes grounded against short circuits with a +12V short circuit protector. Ensure that the power adapter is correctly plugged in and functional to ensure grounding.
-  The normal operating conditions during which it is safe for a human to operate the Edge Hub is 0° to 40°C. However, the Edge Hub is functional at temperature ranges of – 40° C to 85° C, and its sensors will continue to gather data from the environment. Do not physically touch, set up, or use the touch screen of the Edge Hub if the ambient temperature is above or below the normal operating temperature range. If the ambient temperature is above or below the normal operating range, only use remote monitoring or control systems to safely interact with the Edge Hub. If it is necessary to directly contact the edge Hub, wait for ambient temperatures to reach normal operating temperatures of 0° to 40°C before directly interacting with the Edge Hub.
-  If the Edge Hub was previously operating in ambient temperatures exceeding normal operating range, the unit may have become very hot. Wait at least one hour after theambient temperature has returned to normal

operating range before interacting with the device.

Instructions for checking correct functions and verifying safe state after repair

- Power on the Edge Hub and check that the verifying Edge Hub boots up correctly and that the operating system loads without any errors.
- Visually inspect the Edge Hub for any possible damage or issues
- Check the display for proper resolution and color quality. Make sure that there is no flickering or distortion of the image.
- Check the network connectivity by running a diagnostic test or by trying to access the internet. Make sure that the Edge Hub can connect to the network and that it has internet access.
- Check the installed software by opening a few common applications a to ensure they are running and working properly.
- Run a diagnostic tool such as the built-in system utility or third-party software to check for any errors or issues on the Edge Hub.
- Avoid prolonged contact of the AC adaptor or Edge Hub Exterior (it can become hot when in use for long periods or in high ambient temperatures) to prevent skin irritation and/or heat injury.
- Do not disassemble, modify, tamper with or repair your product (including AC adaptor)
- Test the Edge Hub's performance by running benchmarking software to check the CPU, GPU, and memory performance.

Intended Use
Some of the intended uses of this Edge Hub include but are not limited to:

- Process Control: The Edge Hub can be used to monitor and control industrial processes, such as temperature, pressure, and flow.
- Data Collection and Analysis: The Edge Hub can be used to collect, process, and analyze data from various industrial sensors and devices.

  It is important to note that this is a general description, and the specific intended use of the Edge Hub will depend on the model and configuration. Please refer to the specific product manual for detailed information on the intended use and capabilities of your Splunk Edge Hub. This product is also not certified for medical life support systems, air traffic control, nuclear system management, and other life-critical computing requirements.

2.1 Physical Dimensions and Mounting Provisions
Physical dimensions and locations of mounting holes for Splunk Edge Hub are generally provided in the user manual.
In addition, the Splunk Edge Hub includes four cushioned mounting pads on the bottom side of the enclosure. These mounting pads are largely cosmetic in nature and serve to minimize scratches to the mounting surface. They are also somewhat of a noise and vibration damper that help to eliminate metal to metal contact between the bottom of the Splunk Edge Hub and an adjacent metal surface.

2.2 Physical Orientations for Safely Mounting the Splunk Edge Hub
The Edge Hub can be safely mounted in any orientation. The outer case provides a fire-retardant barrier in any direction in case of unforeseen hazardous conditions. The unit will also scale back performance if internal sensors indicate an overheated condition, and eventually may power off in the event of extreme temperature overloading.
While no specific mounting orientation is required, the following mounting provisions promote long, trouble-free operation for the Splunk Edge Hub:

1. Do not place anything directly against the Splunk Edge Hub cover, including cables, shelves, additional equipment, papers, etc.
2. Keep the heat sink of the Splunk Edge Hub clean and free of physical obstructions, including loose cables, lint, dirt, etc.
3. Insure that cabinet fans within the system (if present) direct at least a modest amount of air flow across the Splunk Edge Hub ⚠ chassis.

WARNING: Failure to provide adequate structural strength or proper mounting for this accessory can result in serious personal injury or damage to equipment! It is the installer's responsibility to make sure the structure to which this accessory is attached can support five times the combined weight of all equipment. Reinforce the structure as required before installing the Splunk Edge Hub
Before mounting the Mount to your Splunk Edge Hub Edge Hub, please ensure that you have all the necessary tools and components. First, gather your materials: You will need the Bracket Mount and screws. Next, locate the mounting holes on the back of
the Splunk Edge Hub Edge Hub. Attach the Bracket Mount to the Edge Hub using the screws provided. Make sure the mount is securely attached to the Edge Hub and the screws are tightened to the proper torque specifications. Place the Splunk Edge Hub
Edge Hub onto the Bracket Mount, aligning the mounting holes with the mounting screws on the mount. Use the provided screws to securely attach the Edge Hub to the Bracket Mount. Make sure the screws are tightened to the proper torque specifications.
Verify that the Splunk Edge Hub Edge Hub is securely mounted on the Bracket Mount by gently tugging on it in various directions. If it feels secure, the installation is complete.
The next step is mounting the Edge Hub and Mount to a secure surface. The Edge Hub should only be mounted on appropriately safe surfaces such as properly attached designated mounts (Monitor Mounts, Desk Mounts, Wall Mounts, Server Racks, Ect), strong metal surfaces/walls, properly secured and strong horizontal surfaces, and load bearing wall studs. Do not attach the Splunk Edge Hub to thin, weak, or unsecured walls, mounts, or horizontal surfaces. Examples include but are not limited to; drywall, plaster, cardboard, phone mounts, foam, bulletin boards, thin plywood, or thin plastic surfaces.

2.3 Splunk Edge Hub Heatsink and Heat Ventilation
The Splunk Edge Hub has a heatsink cooling from the inside of the chassis out to the bottom of the chassis. Interfering with the heat sink of the Splunk Edge Hub can cause overheating, which in turn could result in slower performance, malfunction, and even permanent damage to the Edge Hub.
Orient the Splunk Edge Hub, surrounding peripherals, and cables to minimize obstructions in areas near the Splunk Edge Hub.
⚠ ⚠ Actineon recommends one inch (25mm) of relatively free space away from the sides on the Splunk Edge Hub. Failure to do so may cause overheating in higher ambient temp

Documents / Resources

	Actineon Splunk SPLKEH201GL Edge Hub [pdf] User Manual SPLKEH201GL, 2BBHWSPLKEH201GL, Splunk SPLKEH201GL Edge Hub, Splunk, Splunk Edge Hub, SPLKEH201GL Edge Hub, SPLKEH201GL, SPLKEH201GL Hub, Edge Hub, Hub

References

- dtsc.ca.gov/hazardouswaste/perchlorate
- User Manual