

# Quick Start Guide

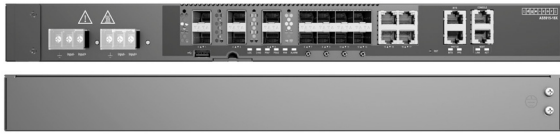
## Cell Site Gateway

AS5915-18X



www.edge-core.com

### Package Contents



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1. AS5915-18X
2. Rack Mounting Kit—2 brackets and 8 screws
3. Grounding kit—grounding lug, 2 screws, and 2 washers
4. Ring lugs (x4)

5. Category 6 stacking cable
6. Documentation—*Quick Start Guide* (this document) and *Safety and Regulatory Information*



**Caution:** The device must be installed in a restricted-access location.

**Attention:** le périphérique doit être installé dans un emplacement à accès restreint.

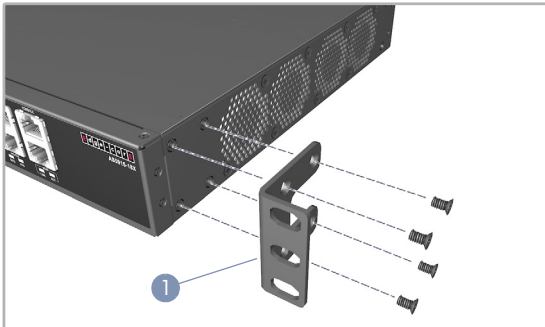


**Note:** The router has the Open Network Install Environment (ONIE) software installer pre-loaded on the router, but no software image. Information about compatible software can be found at [www.edge-core.com](http://www.edge-core.com).



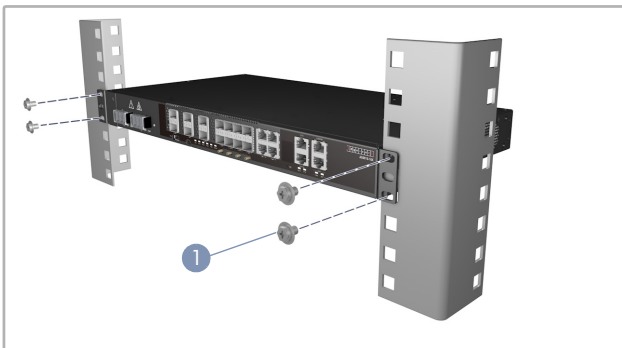
**Note:** The drawings in this document are for illustration only and may not match your particular model.

### 1 Attach the Brackets



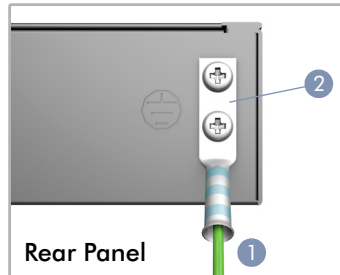
1. Attach each of the brackets to the router with four of the included bracket screws.

### 2 Mount the Router in an EIA-310 Rack

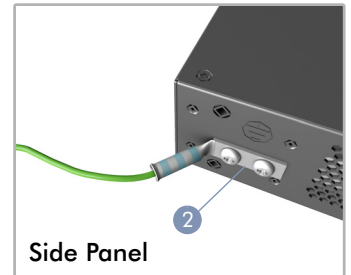


1. Use the screws and cage/clip nuts supplied with the rack to secure the router in the rack.

### 3 Ground the Router



Rear Panel



Side Panel

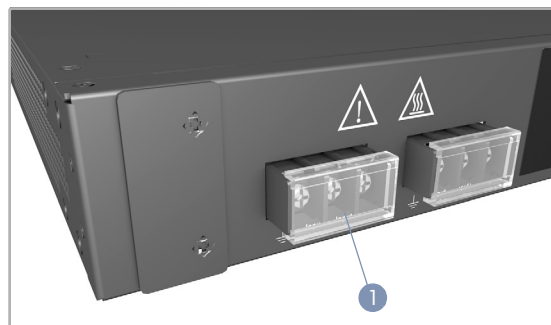
1. Ensure the rack is properly grounded and in compliance with international and local standards. Verify that there is a good electrical connection to the grounding point on the rack (no paint or isolating surface treatment).
2. Attach the grounding wire (#6 AWG/16 mm<sup>2</sup>) to the grounding point on the router's rear panel or side panel. Then connect the other end of the wire to rack ground.



**Caution:** The earth connection must not be removed unless all supply connections have been disconnected.

**Attention:** Le raccordement à la terre ne doit pas être retiré sauf si toutes les connexions d'alimentation ont été débranchées.

### 4 Connect Power



1. Connect an external DC power source to the PSUs. Or, connect to a no-tolerance DC mains supply with a UL/CSA-approved circuit breaker rated at 16 A.



**Caution:** Before connecting power supply cables to the router, ensure that power to the feed lines is turned off at the supply circuit breaker or disconnected from the power bus.

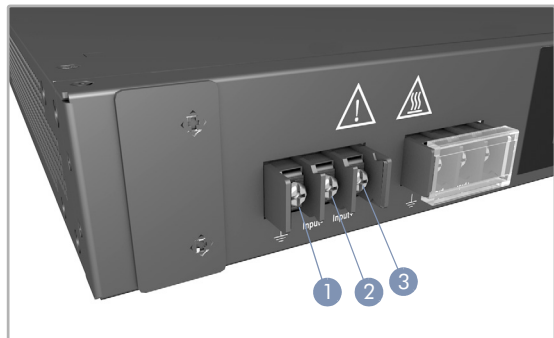
**Attention:** Avant de connecter les câbles d'alimentation au routeur, assurez-vous que l'alimentation des lignes d'alimentation est coupée au niveau du disjoncteur d'alimentation ou déconnectée du bus d'alimentation.



\* 1 5 0 2 0 0 0 2 X X X H R 0 1 \*

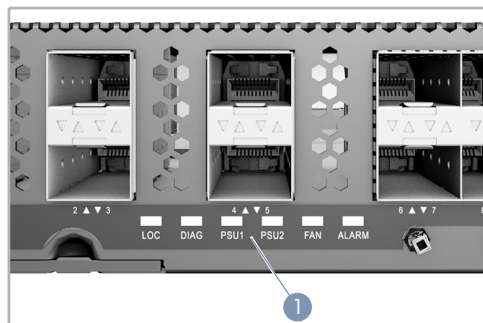
**Caution:** Use a UL/IEC/EN 60950-1 certified power supply to connect to a DC converter, and a #14 AWG/ 1.5 mm<sup>2</sup> (for 36 VDC to 72 VDC PSU) copper wire to connect to a DC PSU.

**Attention:** Attention: utilisez une alimentation certifiée UL/ IEC/EN 60950-1 pour vous connecter à un convertisseur CC, et un fil de cuivre # 14 AWG / 1,5 mm<sup>2</sup> (pour alimentation 36 V CC à 72 V CC) pour se connecter à une alimentation CC.



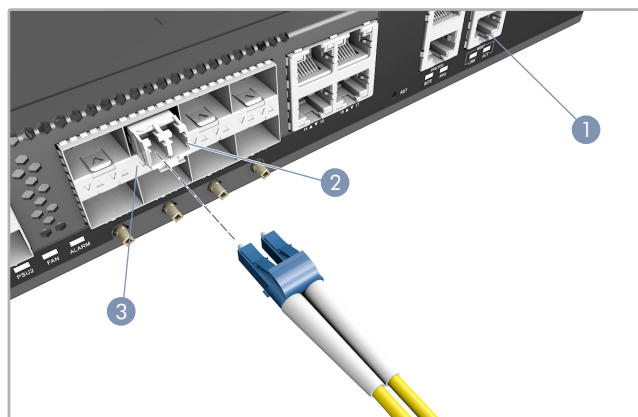
1. Connect the ground wire / earth.
2. Connect the -36 – -72 VDC wire.
3. Connect the DC return wire.

### 5 Verify Power Status



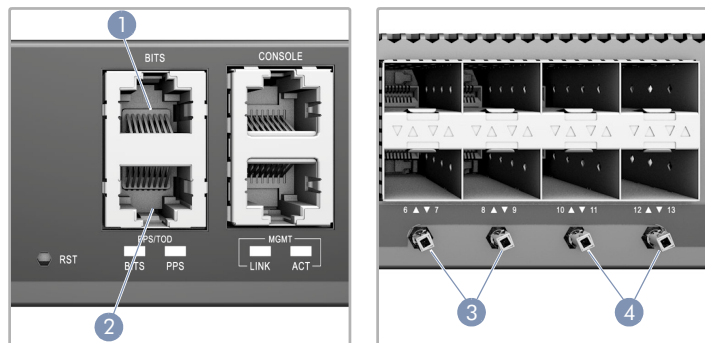
1. Verify the router is receiving power by checking the system LEDs. After power on, the PSU1/PSU2 LEDs should be on green.

### 6 Connect Network Cables



1. For the RJ-45 Management port, connect 100-ohm Category 5, 5e or better twisted-pair cable.
2. Connect DAC cables to the SFP/SFP+ slots. Or first install SFP/ SFP+ transceivers in the slots and then connect fiber optic cabling to the transceiver ports.
3. As connections are made, check the port status LEDs to be sure the links are valid.

### 7 Connect Timing Ports



1. Use a shielded cable to connect the Building-Integrated Timing Supply (BITS) port to other devices that use BITS synchronization signals.
2. Use a shielded cable to connect the Pulse-Per-Second (PPS) / Time-of-Day (ToD) port to other devices that use these synchronization signals.
3. Use coax cables to connect the 1-pulse-per-second (1PPS) in/ out SMB ports to other synchronized devices.
4. Use coax cables to connect the 10 MHz in/out SMB ports to other synchronized devices.

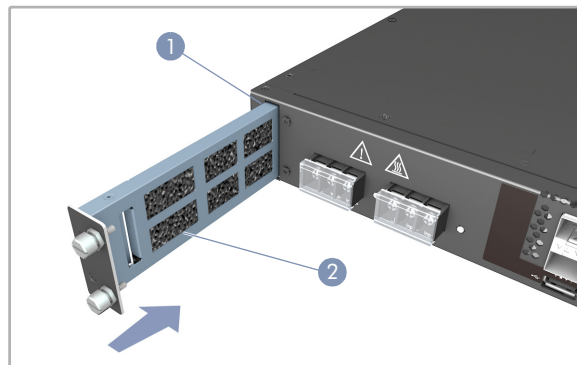
### 8 Perform Initial System Boot

1. If the network operating system (NOS) installer is located on a network server, first connect the RJ-45 Management (Mgmt) port to the network using 100-ohm Category 5, 5e or better twisted-pair cable. (Not required if the NOS installer is located on attached storage.)
2. Boot the router. Wait for the ONIE software to locate and execute the NOS installer, and then wait for the installer to load the NOS software image.

Subsequent router boots will bypass ONIE and directly run the NOS software.

**Note:** Refer to the network operating system (NOS) installer and NOS documentation for details on software options and set up for ONIE.

### 9 (Optional) Install the Air Filter



1. Unscrew and remove the air filter slot cover.
2. Slide the air filter assembly (ordered separately) into the slot and secure it with its two captured screws.

## Hardware Specifications

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### Router Chassis

Size (WxDxH)	440 x 240 x 43.7 mm (17.32 x 9.45 x 1.72 in.)
Weight	3.8 kg (8.38 lb), with two installed PSUs
Temperature	Operating: -40° C to 70° C (-40° F to 158° F) Storage: -40° C to 85° C (-40° F to 185° F)
Humidity	Operating: 5% to 95% (non-condensing)
Power Consumption	180 Watts maximum

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### 48 VDC PSU

Power Rating	-48 VDC, 180 Watts
DC Input	-36 V – -72 V, 6 A

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### Regulatory Compliances

Emissions	EN 55032:2015+AC:2016, Class B EN 300 386 V1.6.1 FCC Title 47, Part 15, Subpart B, Class B VCCI CISPR 32:2016, Class B BSMI Class B, CNS 13438
Immunity	EN 55035:2017 EN 55024:2010+A1:2015 IEC 61000-4-2/3/4/5/6/8/11
Environmental	Storage: <ul style="list-style-type: none"> <li>◆ ETSI EN 300 019-1-1 Class 1.1</li> <li>◆ Temperature: -5°C to +45°C (+23°F to +113°C)</li> </ul> Transportation: <ul style="list-style-type: none"> <li>◆ ETSI EN 300 019-1-2 Class 2.3</li> <li>◆ Temperature: -40°C to +70°C (-40°F to +158°C)</li> </ul> Operating Conditions: <ul style="list-style-type: none"> <li>◆ ETSI EN 300 019-1-3 Class 3.2</li> <li>◆ Temperature: -40°C to +65°C (-40°F to +149°C)</li> <li>◆ Relative Humidity: 5% to 95%</li> </ul>
Safety	CB IEC/EN60950-1 & IEC/EN62368-1 UL/CSA No 62368-1 BSMI CNS14336-1

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