Oracle Cloud Connector

Hardware Guide

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Oracle Cloud Connector Hardware Guide,

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Contents

About this Guide

The Oracle Cloud Connector Hardware Guide explains how to install and maintain the Oracle Cloud Connector. This guide is targeted toward individuals who unpack, set up, and connect the Oracle Cloud Connector.

Documentation Set

The following table lists the documentation set for Oracle® Enterprise Communications Platform.

Table 1 Cloud Connector Documentation Library

Document Name	Document Description
Oracle Cloud Connector Hardware Guide	The Cloud Connector Hardware Guide provides step-by-step instructions for physically installing, setting up, and powering on the Cloud Connector device. It also covers essential maintenance, and safety considerations.
Oracle Cloud Connector Safety and Compliance Guide	The Oracle Cloud Connector Safety and Compliance Guide provides safety and compliance information about Oracle hardware.

My Oracle Support

My Oracle Support (https://support.oracle.com) is your initial point of contact for all product support and training needs.

Use My Oracle Support to access support resources, create and manage Service Requests (SRs), and get assistance with product issues.

For help with My Oracle Support registration, Service Request creation, or other support access questions, use the available support options in My Oracle Support, including MOSFS and MOS Chat.

My Oracle Support is available 24 hours a day, 7 days a week, 365 days a year.

Revision History

This table lists revisions made to this guide.

Date	Description
March 2026	• Initial release
June 2026	• Updates content to describe Starlink Mini offering

1

Introduction

The Oracle Cloud Connector serves as the critical link between your local network environment and Oracle's Enterprise Communications Platform Cloud.

Designed for robust, secure, and flexible deployment, this device enables seamless connectivity across a range of enterprise and edge computing use cases, supporting various network types and configurations. This Hardware Guide provides step-by-step instructions on unpacking, installing, and connecting your Oracle Cloud Connector. Before beginning installation, review the device's physical layout to familiarize yourself with its front and rear panels in the following Figures.

Figure 1-1 Front Panel

Figure 1-2 Rear Panel

Cloud Connector Setup Overview

Before proceeding with installation, it's helpful to become familiar with the general steps involved in setting up yourOracle Cloud Connector. The outline below summarizes the key stages you will encounter during the setup process. Reviewing these steps ahead of time will help you understand what to expect and ensure a smoother experience as you move through the hardware installation.

1. Unpack your device and check that you have all required items.
2. Review the possible connection types and decide which you need.
3. Attach the antennas to the labeled ports on the back of the device.
4. Connect the device to your network (Cellular/Satellite/Ethernet).
5. Plug in the power supply and turn the device on.
6. Check the status lights to make sure the device is working.

2

Unpacking and Inspection

This chapter covers unpacking and inspecting your Cloud Connector hardware, verifying that all components are included, and referencing device diagrams for the front and rear panels.

You'll find instructions for orders with Starlink components and for Cloud Connector-only shipments. Use this information as a checklist to confirm that all required parts are present.

Unboxing The Cloud Connector

Follow these steps to unpack your Cloud Connector shipping box and remove all contents. Start here if your order does not include any Starlink components.

Prerequisites

- Prepare a clean, static-free workspace.
- Use appropriate grounding or anti-static precautions.
- Take care when cutting seals or opening packaging to avoid damaging enclosed components.

Procedure

1. Open the outer packaging box and lift the lid. Take care not to damage any contents inside.
2. Remove the top cover and set aside the documentation or instructions included with it.
3. Take out the antennas, power cable, and GPS antenna from their designated positions. Place these accessories on your workspace.
4. Lift out the inner packaging insert that sits above the Cloud Connector unit.
5. Remove the power adapter from its compartment within the packaging insert.
6. Gently lift the Cloud Connector unit out of the packaging and place it on your prepared surface.

Unboxing A Starlink Gen3 Order

Follow these steps to unpack your Starlink overpack box and remove all contents.

Prerequisites

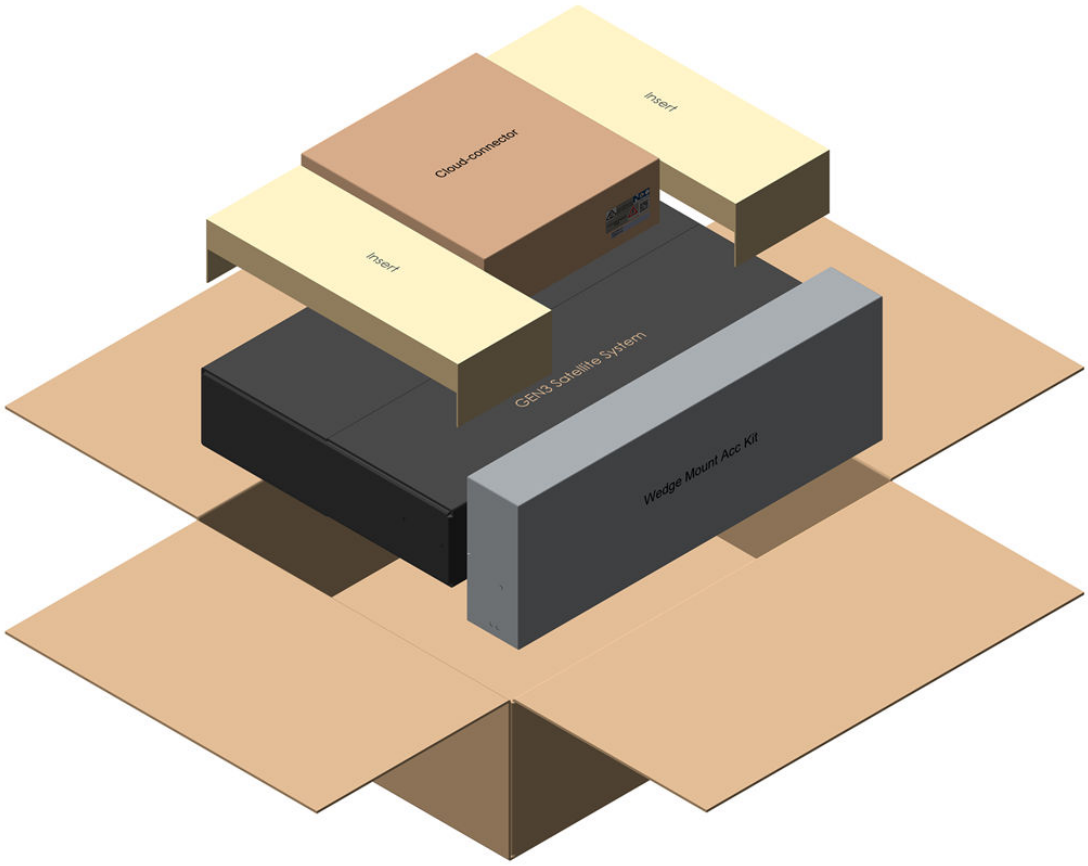
- Prepare a clean, static-free workspace.
- Use appropriate grounding or anti-static precautions.
- Take care when cutting seals or opening packaging to avoid damaging enclosed components.

Procedure

1. Open the overpack box by cutting any shipping tape and folding back the outer flaps.
2. Remove the two empty inserts from the top layer and set them aside.
3. Lift out the Cloud Connector box and place it on your workspace for later unpacking.

4. Remove the Wedge Mount Accessory Kit.
5. Remove the GEN3 Satellite System box from the bottom of the overpack box.
6. Open the Gen 3 Starlink Satellite box and identify the large 1-page Quick Start Guide.

Figure 2-1 Diagram of Starlink and Cloud Connector package



Once you have finished unpacking the Starlink overpack box, continue to the Cloud Connector unboxing instructions.

Unboxing a Starlink Mini Order

Follow these steps to unpack your Starlink Mini overpack box and remove all contents.

Prerequisites

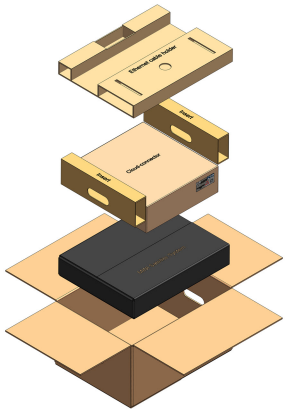
- Prepare a clean, static-free workspace.
- Use appropriate grounding or anti-static precautions.
- Take care when cutting seals or opening packaging to avoid damaging enclosed components.

Procedure

1. Open the overpack box by cutting any shipping tape and folding back the outer flaps.
2. Remove the top cardboard insert from the overpack box and set it aside.

3. Remove the 2 side cardboard inserts from the second layer and set them aside.
4. Lift out the Cloud Connector system box and place it on your workspace for later unpacking.
5. Remove the Starlink Mini System box from the bottom layer of the overpack box.
6. Open the Starlink Mini System box and identify the included Starlink Mini components and quick start documentation.

Figure 2-2 Diagram of Starlink Mini and Cloud Connector package



Once you have finished unpacking the Starlink Mini overpack box, continue to the Cloud Connector unboxing instructions.

Inspecting the Cloud Connector Components

After unboxing your Oracle Cloud Connector, the first step is to inspect the device and its accessories. This helps ensure you have everything you need for a successful installation and setup. The Cloud Connector box includes the following items:

- Oracle Cloud Connector (1) – The edge computing device enabling far reaching functionality as paired with Oracle ECP.

Figure 2-3 Front view of Oracle Cloud Connector.

- Power Cord (1) – The cable that connects the power adapter to the wall outlet.

Figure 2-4 Power cord

> **Note**
>
> The power cord included matches the plug style appropriate for your delivery country.

- Power Adapter (1) – The device that converts AC power from the wall outlet to the DC power required by the Cloud Connector.

Figure 2-5 Power adaptor

- Wi-Fi Antennas (2) – For wireless connectivity.

Figure 2-6 Wi-Fi antenna

- Cellular Antennas (4) – For LTE/5G cellular connections.

Figure 2-7 LTE/5G Antenna

- GPS Antenna (1) – Provided for future use.

> **Note**
>
> GPS is not currently supported.

If any item is missing or damaged, please contact Oracle Support before proceeding with installation.

Front Panel Description

The front panel of your Oracle Cloud Connector offers convenient access to key ports and controls:

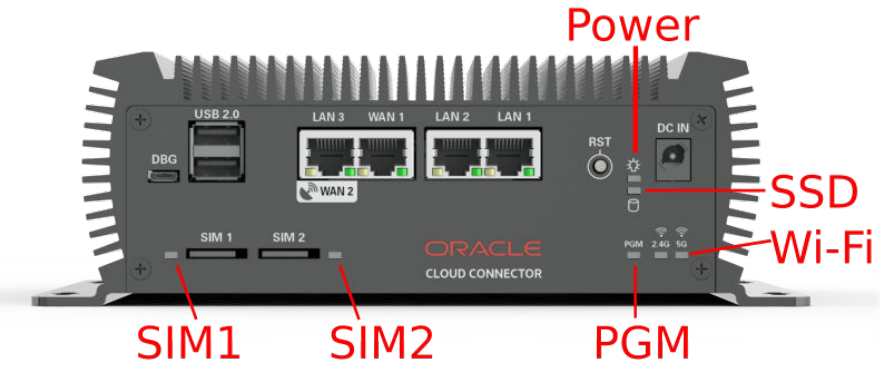
- USB 2.0 Ports (2) – Allows connection of supported USB peripherals and devices.
- SIM Card Slots (2) – Pre-installed with SIM cards (for cellular subscription orders); not intended for end user removal or replacement. Do not remove the SIM card slot covers.
- Ethernet Ports (4) – Supports wired connections to LAN and WAN networks.
- Reset Button – Resets the device.
- LED Indicator Lights – Displays device power and system status information. See the following section for more information.
- DC Power Input Port – Accepts the DC connector from the power adapter to supply electrical power to the device.
- Debugging Port – Do not access this port.

Figure 2-8 Front Panel

Front Panel LED Indicators

The front panel includes multiple LED indicators that display the current status of your device. The following section explains the function of each LED and what its status signifies.

Figure 2-9 Front Panel LEDs



LED	Description
Power	Illuminates red when the device is powered on and receiving input from the DC power source.
SSD	Blinks to indicate activity on the internal storage drive, such as reading or writing data.
Wi-Fi 2.4 GHz	Illuminates green to indicate the 2.4 GHz access point is operational.
Wi-Fi 5 GHz	Illuminates green to indicate the 5 GHz access point is operational.
SIM1	Illuminates green when a SIM card is correctly installed in the SIM1 slot.
SIM2	Illuminates green when a SIM card is correctly installed in the SIM2 slot.
PGM	Reserved for future customizable functions; currently not in use.

Rear Panel Description

The rear panel of your Oracle Cloud Connector provides connections for all external antennas, with each port clearly labeled for easy installation:

- Wi-Fi (2) – Labeled “Wi-Fi” for the supplied Wi-Fi antennas.
- LTE/5G (4) – Labeled “LTE/5G” for the included cellular antennas.
- GPS (1) – Labeled “GPS” for the supplied GPS antenna (not currently in use).

Figure 2-10 Rear Panel

All antenna connectors on the rear panel are SMA female. Attach all antennas securely before powering on the device to ensure optimal connectivity. If you do not plan to use all connections, use dust caps to protect any unused connectors.

3

Connectivity

The Oracle Cloud Connector offers a variety of networking options to help ensure reliable connectivity for your IoT devices and enterprise applications. Whether you're deploying in a standard office, industrial setting, or a remote location, you can take advantage of Wi-Fi, cellular, wired LAN/WAN, and satellite connectivity. Below, you'll find brief overviews of each connection type and details to help you identify the corresponding physical ports and internal interface names.

Cellular (Mobile Network Access)

The Oracle Cloud Connector supports mobile network connectivity using trusted LTE and 5G networks. This option provides flexible internet and enterprise network access in locations where Ethernet connectivity isn't practical or as a resilient backup connection.

Depending on your order, your Oracle Cloud Connector may arrive with one or two SIM cards pre-installed. Each SIM card can be used to define one of up to two available cellular network connections. You can manage and configure all aspects of your mobile network connectivity—including APN settings, provider selection, and fail-over behavior—through the ECP user interface (UI).

To set up, attach the four longer blade-style cellular antennas to the SMA connectors labeled "LTE/5G" on the rear panel. This ensures strong and reliable cellular reception.

> **Note**
>
> SIM cards are required for cellular network access. The UI allows you to select and configure which SIM is used for each available mobile network. Do not replace SIM cards with any other than what Oracle ships.

The following image shows an LTE/5G antenna used with the Oracle Cloud Connector.

LAN/WAN (Wired Ethernet Connections)

The Oracle Cloud Connector provides four labeled Ethernet ports on the front panel, allowing you to connect a range of devices and external networks with RJ45 cables.

- LAN (Local Area Network): Use these connections for local site devices—including computers, network switches, or IoT hardware—to communicate with the Cloud Connector.
- WAN (Wide Area Network): Use WAN ports to link your Cloud Connector to outside networks such as the internet, corporate datacenters, or a satellite terminal.

Here are the available physical ports and their typical uses:

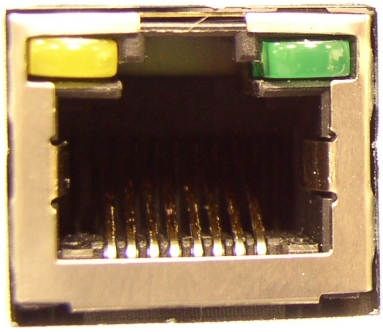
Table 3-1 List of Ethernet Connections

Port Label	Internal Interface Name	Intended Use
LAN1	eth2	Local devices (LAN)
LAN2	eth3	Local devices (LAN)
WAN1 (Broadband)	eth0	Broadband/internet (WAN)
LAN3/WAN2	eth1	Satellite terminal (or reserved) - Includes a satellite stencil below port; use for satellite connections if included in your deployment.

Carefully inspect the port labels on the front panel before plugging in your cables to ensure each device or network connects to the correct port for your intended configuration.

> **Note**
>
> Satellite connections use the LAN3/WAN2 (eth1) port, while standard broadband/ internet connections use the WAN1 (eth0) port. These connections are separate and dedicated for their respective uplink types.

The following image shows a close-up of an Ethernet port on the Cloud Connector.



Satellite (Satellite Internet Connection)

Satellite connectivity provides another robust WAN option for the Oracle Cloud Connector, complementing your suite of broadband and cellular network choices.

If your order includes satellite service, you will receive a Starlink satellite kit in addition to your Oracle Cloud Connector. Oracle offers two starlink kits:

- Starlink Gen 3 - Intended for higher-throughput, stationary deployments where the satellite connection is expected to support heavier network usage. It uses a larger antenna and requires AC power.
- Starlink Mini - Intended for smaller, lower-power deployments where portability, compact size, or simplified installation is more important than maximum throughput.

The Starlink kits each contain a satellite dish (antenna), a Starlink terminal (sometimes called a satellite modem), and all the necessary cables and mounting hardware. The satellite dish should be installed in a suitable outdoor location with a clear sky view, while the terminal is located indoors near the Oracle Cloud Connector unit.

Both Starlink options are labeled and connected identically to the Oracle Cloud Connector.

To enable satellite connectivity, connect the Starlink terminal's Ethernet cable to the LAN3/ WAN2 (eth1) port on the Oracle Cloud Connector's front panel. This port is specifically designated for satellite use; you'll find a satellite stencil icon below the port for easy identification.

Wi-Fi (Local Wireless Device Support)

The Oracle Cloud Connector provides professional-grade Wi-Fi support, enabling local wireless devices to connect directly to the Cloud Connector as part of your local area network (LAN).

You can connect devices such as sensors, controllers, and laptops to the Cloud Connector over a wireless connection. The Cloud Connector supports both 2.4 GHz and 5 GHz frequency bands for flexibility and optimal performance.

Wireless Frequency	Internal Interface Name
2.4 GHz	wlan0
5 GHz	wlan1

The following image shows one of the supplied Wi-Fi antennas, which you'll need to attach to the rear-panel SMA connectors labeled "Wi-Fi" to enable wireless device connectivity:

> **Note**
>
> The Cloud Connector's Wi-Fi feature is designed for connecting local devices to the LAN. It does not support using Wi-Fi for the primary WAN/internet uplink.

GPS

The GPS antenna is not currently supported; please store the GPS antenna in a safe place for potential future use, ensuring it remains protected from damage and easily accessible if needed.

4

Installation and Setup

This chapter covers the process of taking your Oracle Cloud Connector from unboxed components to a powered-on device, ready for manual onboarding or further configuration. A successful installation and setup is essential for optimal performance of your Oracle Cloud Connector.

Installation involves selecting the right location and positioning the device to meet requirements for ventilation, signal strength, and cabling access.

Setup then includes attaching the Wi-Fi and cellular antennas, connecting necessary network or satellite cables, and connecting the power supply.

The process includes the following general steps:

1. Choose the right location — Place theOracle Cloud Connector in an environment that meets requirements for ventilation, signal access, and cable reach.
2. Attach Wi-Fi Antennas — Secure the included Wi-Fi antennas to their designated connectors.
3. Attach Cellular Antennas — Install the cellular antennas to support mobile connectivity.
4. Connect Ethernet cables — Plug in the appropriate cables for your LAN, WAN, or satellite connections.
5. Power on the device — Connect the device to its power supply and check indicator LEDs.

Each section that follows provides detailed instructions to help ensure a successful installation.

Select a Location

Selecting the right location for your Oracle Cloud Connector is essential for ensuring long-term performance, safety, and ease of maintenance. Careful placement can also prevent common installation issues and help protect your investment.

When choosing a site, mind the following guidelines:

- Clean and Dust-Free Environment—Install the device in a clean, dust-free area whenever possible. Excessive dust, grease, or debris can impede ventilation, degrade device performance, and increase the need for maintenance.
- Adequate Ventilation—Place the Cloud Connector where there is sufficient airflow on all sides. Avoid areas with restricted space, near heat sources, or in direct sunlight, as overheating can affect device reliability.
- Signal and Network Accessibility—For Wi-Fi and cellular operation, select a spot free from obstructions that could block or weaken wireless signals. Concrete walls, heavy machinery, and metal structures can interfere with connectivity. Ensure the location allows convenient access to Ethernet ports and a reliable power source. If your deployment includes a satellite terminal, confirm the Cloud Connector can be easily connected to the Starlink terminal with no strain on cables, and that the dish will have a clear view of the sky.
- Stay Dry—Never install the Oracle Cloud Connector where it may be exposed to water, spills, or excessive humidity—such as near sinks, kitchens, drink stations, or windows

prone to condensation. Moisture can lead to electrical shorts, hardware corrosion, and device failure. Keep all components dry.

> **Note**
>
> For installations in humid or partially outdoor areas, consider using protective enclosures and consult with a site engineer or qualified supervisor.

- Electrostatic Discharge (ESD) Safety—Static electricity can damage sensitive electronics. Before handling antennas, SIM cards, or cables, discharge static by touching a grounded metal object. This step is especially important in carpeted spaces or dry environments.
- Ease of Maintenance and Access—Choose a spot that remains accessible for cable management, monitoring, or troubleshooting in the future. Avoid installing the device in hard-to-reach locations or behind fixed equipment.
- Onsite Collaboration—In specialized or regulated environments (such as oil rigs, restaurants, or managed office spaces), coordinate with a site engineer, facility manager, or other qualified personnel. Their expertise can assist with safe placement, cable routing, and compliance with local guidelines.

Review your organization's installation policies and any site-specific requirements before starting. Taking the time to select an optimal location helps ensure trouble-free operation of your Oracle Cloud Connector and minimizes unexpected issues during setup and over the device's lifecycle.

Connect the Cellular and Wi-Fi Antennas

Attaching the four cellular antennas and two Wi-Fi antennas during setup is essential for safe device operation, even if you do not plan to use cellular connectivity right away.

Prerequisites

- Ensure you have located all six supplied antennas, distinguishing between the Cellular and Wi-Fi Types.
- Make sure the rear panel SMA connectors are accessible.
- The Cloud Connector should be positioned in its selected location.
- Ensure there's open space around the antennas so they can send and receive signals in all directions. Avoid squeezing them into tight spaces or corners, as this can limit their ability to communicate effectively.

Diagram of the Cloud Connector

Refer to the following diagram of the Cloud Connector as you perform the following procedure.

Figure 4-1 Rear Panel of Oracle Cloud Connector Showing Antenna Connectors

Procedure

1. Identify the four LTE/5G antenna connectors on the rear panel of the Oracle Cloud Connector.
2. Check the chassis labels to verify which connectors correspond to each LTE/5G antenna.
3. Align each cellular antenna with its labeled SMA connector and screw it on by turning clockwise until finger-tight. Do not use tools or overtighten.
4. Adjust the non-connector end of each LTE/5G antenna so it points upward, or according to the installation environment.
5. Align the two Wi-Fi antennas with their labeled SMA connectors and screw them on by turning clockwise until finger-tight. Do not use tools or overtighten.
6. Adjust the non-connector end of each Wi-Fi antenna so it points upward, or as best suited for the environment.
7. Confirm that all antennas are firmly attached, spaced so they are not touching, and are positioned in a similar direction. Ask Explain

> **Note**
>
> Always connect all supplied cellular antennas, even if you do not plan to use cellular connectivity immediately. Leaving antennas disconnected can create a risk of damaging the device if cellular radios are later enabled.

Figure 4-2 Side View of Antennas Connected

Figure 4-3 Top View of Antennas Connected

Connect the Ethernet Cables

Connecting Ethernet cables is required for LAN (Local Area Network) and broadband (WAN) connectivity. If your deployment includes a satellite connection, follow the satellite procedure in the next section.

Port	Description
WAN1	Connection to the WAN
LAN2	Connection to a local network

Port	Description
LAN1	Connection to a local network
LAN3 / WAN2	Connection to a satellite terminal

Depending on your connectivity plan, you may do some or all of these steps:

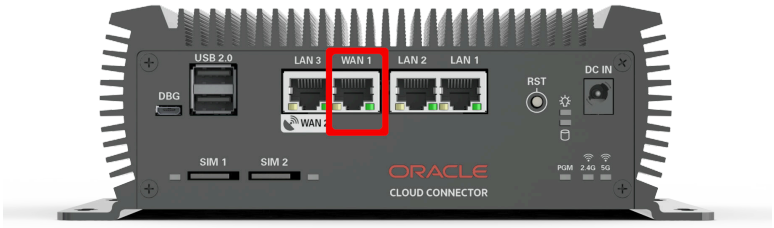
1. Connect an Ethernet cable from the WAN1 port to the router or modem that will provide an internet connection for the Oracle Cloud Connector.
2. If you have a local network connection, connect an Ethernet cable from your local network to the LAN1 port. If you have a second local network connection, connect an Ethernet cable from your local network to the LAN2 port.

Prerequisites

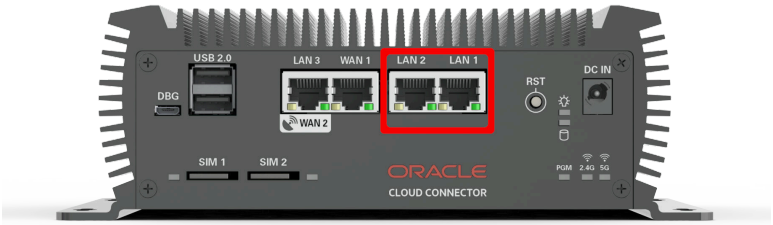
- Ensure the Cloud Connector is installed in its selected location.
- Verify you have the necessary Ethernet cables for your LAN, broadband (WAN), or both.
- Confirm access to the devices or network infrastructure (such as switch, router, or modem) that you will connect to the Cloud Connector.
- Identify the Ethernet ports (LAN1, LAN2, WAN1) on the front panel.

Procedure

1. Plug one end of an Ethernet cable into the WAN1 port on the Cloud Connector. Connect the other end to your broadband router or modem to provide internet access to the device.



2. For local network connections
   a. Plug an Ethernet cable into the LAN1 port to connect to your primary LAN.
   b. If you need a secondary LAN connection, plug another cable into the LAN2 port.



3. Ensure each cable is firmly and fully inserted into its port.
4. Once your Cloud Connector is powered on, check that the corresponding LEDs near each Ethernet port illuminate, indicating a live connection.

> **Note**
>
> The port labeled LAN3/WAN2 is reserved for satellite connectivity and should only be used as described in the following Satellite section.

Properly connecting all required Ethernet cables ensures reliable communication to your local and external networks. Proceed to the next section for instructions on connecting a satellite terminal.

Check Cellular SIM Cards

Your Oracle Cloud Connector is equipped for cellular connectivity using SIM cards. Verifying the presence of your SIM card(s) ensures that mobile network access is available whenever required.

Prerequisites

- The Cloud Connector should be in its installation location, with access to the SIM card slots.
- This task is optional.

Procedure

1. Locate the SIM card slots on the front panel of the Cloud Connector.
2. Confirm that the SIM1 slot contains the SIM card shipped with your device.
3. If you ordered a second SIM card, check that the SIM2 slot contains the additional SIM card.
4. If a SIM card appears to be missing or not properly inserted, contact Oracle Support for assistance before proceeding. If your Cloud Connector is equipped with an eSIM, it cannot be physically inspected. You can verify eSIM activation and status in the device management interface.

Connect Starlink Gen 3 Satellite Terminal

If your Oracle Cloud Connector deployment includes Starlink Gen 3 satellite connectivity, connect the Starlink Gen 3 terminal to establish the satellite WAN connection.

Before you begin:
When ready, follow the diagrams in the 1-page Starlink Quick Start Guide to set up your equipment and connect to the satellite network. Complete documentation is listed in the Supporting Documentation section. Complete all steps in that guide before proceeding here.

Once your Starlink terminal is set up and powered on, connect it to the Oracle Cloud Connector using the following steps:

Supporting Documentation
For your reference, the following links resolve to the Official Starlink documentation for the shipped components. They are authoritative and will ensure a complete set up.

- Wedge Mount Accessory Kit:
  - https://starlink.com/public-files/installation_guide_performance_wedge_mount.pdf
- Performance Kit Installation Guide:
  - https://starlink.com/public-files/installation_guide_performance_kit.pdf

Outdoor Starlink Setup

Starlink antennas generally need to face North in the Northern Hemisphere and South in the Southern Hemisphere to avoid interference with geostationary satellites, typically angling away from the equator. Aim for unobstructed view as follows:

- Northern Hemisphere: Point North (or slightly Northwest/Northeast)
- Southern Hemisphere: Point South

To fine-tune alignment using the Starlink App, first complete system Activation, then connect your mobile device to the Oracle Cloud Connector's LAN. Once your device is on that network, the Starlink App can communicate with the Starlink terminal and guide you to the best antenna position.

Prerequisites:

- The Starlink terminal is fully assembled, positioned with a clear view of the sky, and powered on (as described in the Starlink guidance).
- You have the Ethernet cable provided with your Starlink kit.
- The Oracle Cloud Connector is placed in its selected location with power ready but not necessarily turned on.

Procedure:

1. Locate the Ethernet port on the Starlink terminal as described in the Starlink setup guide.
2. Take the provided Ethernet cable and plug one end into the Starlink terminal's Ethernet port. Ensure it is fully inserted and clicks into place.
3. Plug the other end of the Ethernet cable into the LAN3/WAN2 port (sometimes labeled “WAN2” or marked with a satellite icon) on the rear panel of the Oracle Cloud Connector. Confirm this is the correct port by checking labeling or the satellite stencil.
4. Double-check that both ends of the Ethernet cable are securely connected.

Figure 4-4 Starlink WAN Ethernet Port

When all connections are complete, power on your Oracle Cloud Connector. The device will automatically recognize and utilize the satellite connection as configured.

> **Note**
>
> Initial startup of the Starlink terminal may require extra time due to automatic updates before use. After any update, the Cloud Connector will automatically manage communication with the Starlink terminal.

Connect a Starlink Mini Satellite Terminal

If your Oracle Cloud Connector deployment includes Starlink Mini satellite connectivity, connect the Starlink Mini terminal to establish the satellite WAN connection.

Before you begin:
When ready, follow the diagrams in the 1-page Starlink Quick Start Guide to set up your equipment and connect to the satellite network. Complete documentation is listed in the Supporting Documentation section. Complete all steps in that guide before proceeding here.

Once your Starlink terminal is set up and powered on, connect it to the Oracle Cloud Connector using the following steps:

Supporting Documentation
For your reference, the following links resolve to the Official Starlink documentation for the shipped components. They are authoritative and will ensure a complete set up.

- Mini Installation Guide:
  - https://starlink.com/public-files/installation_guide_mini_kit.pdf

Outdoor Starlink Setup
Starlink antennas generally need to face North in the Northern Hemisphere and South in the Southern Hemisphere to avoid interference with geostationary satellites, typically angling away from the equator. Aim for unobstructed view as follows:

- Northern Hemisphere: Point North (or slightly Northwest/Northeast)
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To fine-tune alignment using the Starlink App, first complete system Activation, then connect your mobile device to the Oracle Cloud Connector's LAN. Once your device is on that network, the Starlink App can communicate with the Starlink terminal and guide you to the best antenna position.

Prerequisites:

- The Starlink terminal is fully assembled, positioned with a clear view of the sky, and powered on (as described in the Starlink guidance).
- You have the Ethernet cable provided with your Starlink kit.
- The Oracle Cloud Connector is placed in its selected location with power ready but not necessarily turned on.

Procedure:

1. Locate the Ethernet port on the Starlink terminal as described in the Starlink setup guide.
2. Take the provided Ethernet cable and plug one end into the Starlink terminal's Ethernet port. Ensure it is fully inserted and clicks into place.
3. Plug the other end of the Ethernet cable into the LAN3/WAN2 port (sometimes labeled “WAN2” or marked with a satellite icon) on the rear panel of the Oracle Cloud Connector. Confirm this is the correct port by checking labeling or the satellite stencil.
4. Double-check that both ends of the Ethernet cable are securely connected.

Figure 4-5 Starlink WAN Ethernet Port

> **Note**
>
> Do not power up your Starlink Mini until you are ready to complete cloud connector onboarding in the same session.

When all connections are complete, power on your Oracle Cloud Connector. The device will automatically recognize and utilize the satellite connection as configured.

> **Note**
>
> Initial startup of the Starlink terminal may require extra time due to automatic updates before use. After any update, the Cloud Connector will automatically manage communication with the Starlink terminal.

Power On the Cloud Connector

Powering on your Oracle Cloud Connector safely is important to protect both the device and the installer. Follow these steps to connect the power supply correctly.

Prerequisites

- Ensure all antennas and cables are properly connected to the Cloud Connector.
- Position the power supply so it will not be exposed to moisture or high-traffic areas.

Procedure

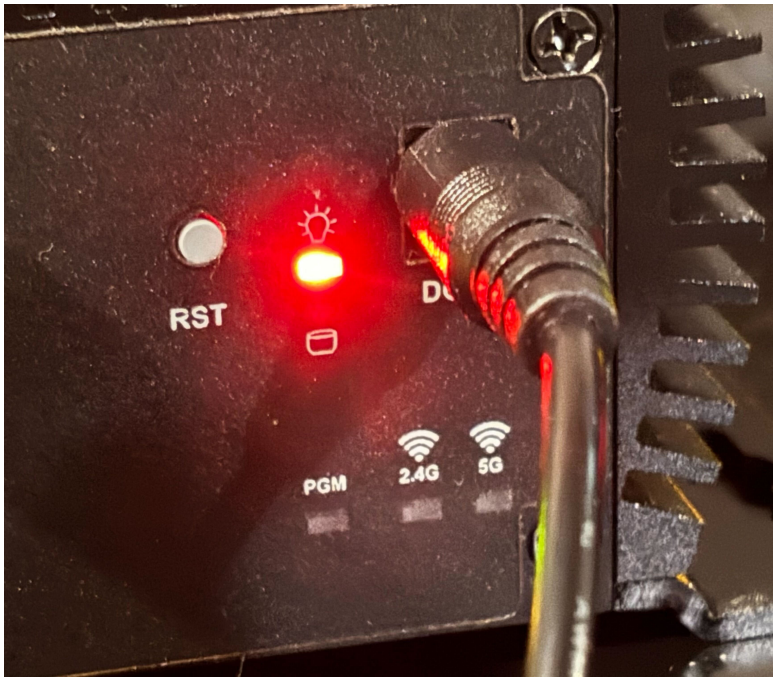
1. Identify the DC IN power input port on the rear panel of the Oracle Cloud Connector.

2. Connect the DC barrel connector from the AC adapter (power brick) to the DC IN port. Push it in gently until you feel it click into place.
3. Attach the AC power cord to the AC adapter.

Figure 4-6 Power Cord to AC Adapter

4. Plug the AC power cord into a nearby wall outlet or surge-protected power strip.

Once connected, the Cloud Connector's power indicator LED should illuminate, confirming that the device is receiving power and starting up.



> **Note**
>
> Always connect the DC barrel connector to the device before plugging the AC adapter into the wall outlet, to reduce the risk of electrical arcing or accidental device damage.

If the device does not power on as expected, check all connections and verify the outlet is functioning.

Post-Installation Setup

This topic provides an overview of the next steps after hardware installation and setup, guiding you to review the "Set up a Cloud Connector" appendix in the User Guide.

Now that you've completed the hardware installation and setup of your Oracle Cloud Connector, you're ready to move on to the next stage: preparing for onboarding. Before you can register the Cloud Connector in ECP, there are requirements to connect your computer to the Cloud Connector—either via Ethernet or Wi-Fi—so you can access its local interface and complete logical configuration.

You can do this by using an Ethernet cable to connect your computer directly to one of the Cloud Connector's Ethernet ports (such as LAN1 or LAN2), or by connecting your computer or mobile device directly to the Cloud Connector's built-in Wi-Fi network. Either method allows you to access the local setup page.

Once connected, you'll be able to access the Cloud Connector's local user interface to continue the setup and onboarding process. For step-by-step instructions, refer to the "Set up a Cloud Connector" appendix in the User Guide. Make sure to review all prerequisites in that appendix before proceeding with registration in ECP.

5 Maintenance

Your Oracle Cloud Connector is designed for minimal, hassle-free maintenance thanks to centralized management through the ECP Cloud platform. However, a few simple routine tasks can help ensure continued reliability and peak performance.

Hardware Maintenance

Hardware maintenance for the Oracle Cloud Connector is straightforward and focuses mainly on keeping the device clean and well-ventilated.

- Periodically inspect the heat sink and surrounding areas for dust buildup, especially in environments susceptible to airborne particles.
- If dust accumulates, you can remove it using compressed air—blowing gently between the fins of the heat sink—or by wiping carefully with a soft, dry cloth.
- Avoid using liquids or harsh chemicals, as these can damage the electronics.
- Ensure the device remains in its originally selected, well-ventilated location and that nothing is obstructing airflow.

Software Maintenance

Software updates, security patches, and general management of the Oracle Cloud Connector are handled automatically through the ECP Cloud platform. In most cases, no customer action is required—your device will remain secure and up-to-date without manual intervention.

The User Guide contains detailed instructions, contact information for Oracle Support, and answers to frequently asked maintenance questions. For all procedures, troubleshooting, and the latest documentation—including user guides and update policies—refer to the Oracle Enterprise Communications Platform landing page on Oracle Help Center.

6

Safety Precautions

Follow these safety guidelines

- Place the unit in a temperature-controlled environment to prevent overheating.
- Ensure that dust does not accumulate on the heat sink or ventilation areas; clean regularly as part of your maintenance routine.
- Secure the unit to a stable, flat surface to prevent tipping or movement.
- Ensure proper grounding and connection of all power cables to reduce risk of electrical hazards.
- Avoid exposing the unit to moisture, direct sunlight, or corrosive substances.
- Provide adequate space around the device for ventilation and easy access to ports and connectors.
- Only connect peripherals and accessories that are compatible and approved for use with the device.
- Perform regular inspections to check for damage or loose connections before powering on the unit.

7

Technical Specifications

Table 7-1 Hardware, Operational, and Operating System Specifications

Component	Description
CPU	Intel Atom X6425E, 4 cores with 2GHz processor base frequency
RAM	32GB SODIMM DDR4-3200
Ethernet Ports	10/100/1000 Mbps (2 x I226(Intel), 2 x RTL8125BG(Realtek))
Cellular	1 x M.2(Key-B) - Telit FN990A28 5G Module with GPS
SIM	Dual Nano Physical SIM with SIM Tray (1xActive, 1xPassive), Single standby.
Wi-Fi	1 x M.2(Key-E) - AsiaRF AW7915-AED, 802.11b/g/n/ac/ax Wi-Fi module. 2.4GHz and 5GHz Dual band Dual concurrent (DBDC) Wi-Fi module.
Storage	1 x M.2 (Key-B), 512GB SATA SSD Module.
TPM	Intel TPM2.0
RTC Battery Backup	3V, CR1220 (38mAh)
Power Adapter	19V@4.74A
Antenna	Cellular: 4 x LTE/5G - SMA GNSS: 1 x GPS - SMA Wi-Fi: 2 x Wi-Fi(2x2) – RP-SMA
LEDs	Default functional LEDs: 1. Device power status 2. SATA SSD Activity 3. SIM1 Presence 4. SIM2 Presence Programmable LEDs 1. 2.4 GHz 2. 5 GHz 3. PGM (RGB - Programmable via application)
Button	Reset
USB	2 x USB2.0
Serial Port	1 x Micro USB2.0 Debug port
Enclosure	Aluminum Enclosure
Mounting	Desktop Mount
Thermal Cooling	Passive fanless
Dimensions	150mm X 210mm X 65mm (L X W X H)
Storage Temperature	-20 ~ 75°C

Table 7-1 (Cont.) Hardware, Operational, and Operating System Specifications

Component	Description
Operating Temperature	0 ~ 50°C
Humidity	10 ~ 90% (non-condensing)
Operating System	Oracle Linux v9.6 or above

A

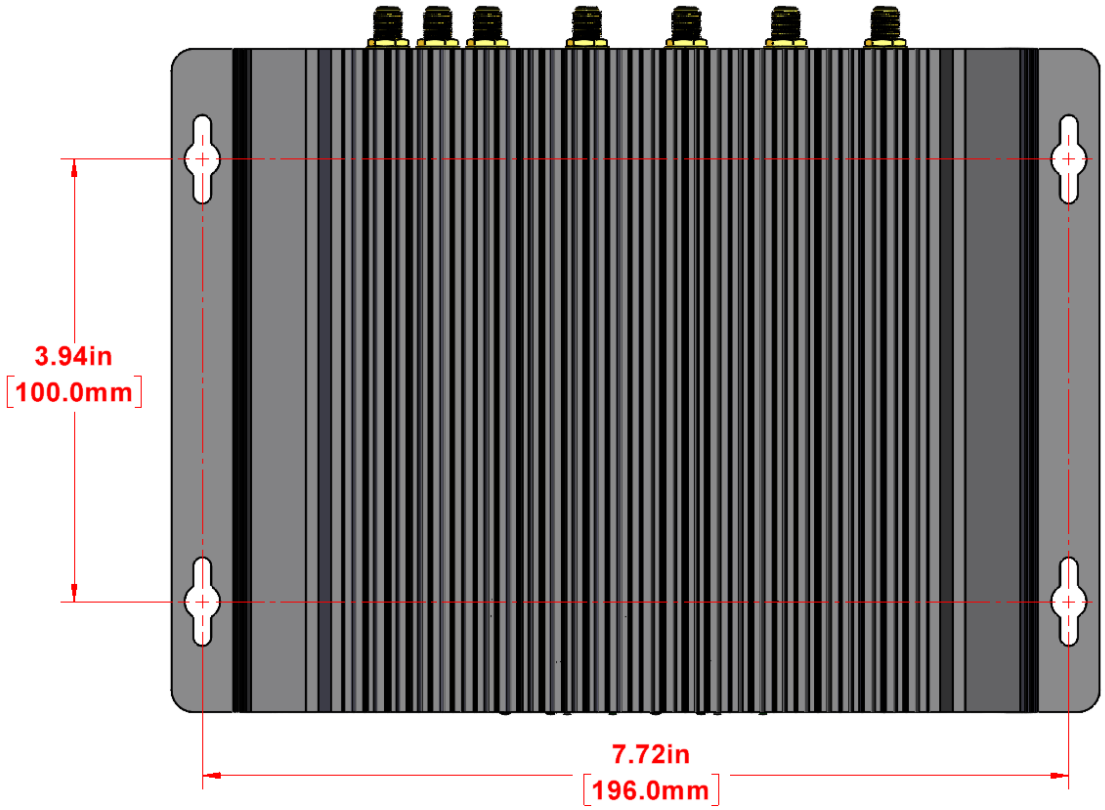
Mounting Diagram

Use the dimensions in the following diagram to help you permanently mounting your Cloud Connector to a surface.

When mounting your Cloud Connector:

- Leave adequate room around the front panel for access to the SIMs, viewing the LEDs, and routing Ethernet cables to the chassis.
- Leave adequate room on the rear panel for the antennas to remain extended.

Figure A-1 Overhead Cloud Connector Mounting Dimensions



B

Compliance Declaration

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.

FCC Regulatory Compliance

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 the 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 or more 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.

RF Exposure Compliance

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter. This equipment should be installed and operated at a minimum distance of 30cm between the radiator and your body.

ISED Compliance Statements

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-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. 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.

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated at a minimum distance of 30cm between the radiator and your body.

L’émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d’Innovation, Sciences et Développement économique 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.
2. L’appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d’en compromettre le fonctionnement.

Le dispositif destiné à fonctionner dans la bande 5150-5250 MHz est uniquement destiné à une utilisation à l’intérieur afin de réduire le risque d’interférence nuisible aux systèmes satellites mobiles co-canaux.

Cet équipement est conforme aux limites d'exposition aux radiations IC CNR-102 établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 30cm entre le radiateur et votre corps.