Edge SIM

Securely connect any edge device to anywhere. Without touching the public internet

Introducing the world's first mobile connectivity solution that bypasses the public internet.

Use Edge SIM to directly connect your devices to clouds, data centres, office locations worldwide - and manage your end-to-end IoT connectivity in real-time through the Console Connect platform.

As IoT devices and networks handle more of your sensitive and mission-critical data, your business can't afford any gaps in security.

Traditional mobile solutions leave your data exposed to pitfalls of the public internet, while end-to-end private networking solutions, such as VPN, are inflexible and don't offer ubiquitous coverage.

Edge SIM brings together the enhanced performance of private networking with the flexibility and ubiquity of mobile networks - giving your full control and security over your global IoT assets.

Why choose **Edge SIM** —

Connect anywhere

Extensive roaming coverage in over 180 countries worldwide through reach to 600+ networks.
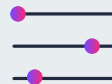
Full control

Full orchestration and control of your end-to-end IoT connectivity through an easy-to-use portal.

Enhance security

Take your mobile traffic away from the public internet, reducing the threat of cyberattacks.

Scalability

Easily manage and route traffic from your devices to multiple back-end locations.

Bypass the internet

Reach back-end applications using our private, global network.

Provision in minutes

Fully automated point and click provisioning for global IoT projects.

Giving you **peace of mind**

Unlike other mobile network solutions, Edge SIM avoids backhauling your traffic across the public internet.

Why is this important?

	Standard SIM using internet backhaul	Edge SIM using private connectivity
Security	• Insecure and vulnerable to attack • Can expose sensitive data	• Traffic is not exposed to the risks of the public internet • Significantly reduces the threat of a cyberattack
Reliability	• The public internet is best effort • Can lead to service disruption, downtime and loss of business	• The Console Connect network offers an guaranteed level of service • With 99.99% service availability
Performance	• Bandwidth and network speed is not guaranteed • Internet routing is optimised for cost, resulting in inefficient traffic routes	• The Console Connect network offers stringent SLAs, covering jitter, packet loss and latency • Console Connect's private network is optimised for performance and ensures your traffic is delivered via most efficient routes
Best suited for	IoT applications with standard data, including: • Smart home devices & automation • Sensors • Smart wearables • GPS trackers	IoT applications with sensitive or mission critical data, including: • Asset management • Network management • Logistics • Connected cars • Payment networks and POS devices • Live broadcast • Healthcare solutions • Security systems

The most secure way to access the cloud

Connect your IoT devices directly to any of the world's largest cloud platforms.

More data is flowing between connected devices and the cloud. As volumes of data grow, take control of your connectivity to the cloud through an automated platform that gives you cloud-like agility and control over your network. Enabling you to adjust bandwidth to meet the needs of your IoT project.

Manage and pay for both your mobile connectivity and bandwidth-based cloud connectivity through the Console Connect platform - with contracts for as little as a day.

aws   Google Cloud

ORACLE CLOUD   Azure

IBM **Cloud**   VULTR
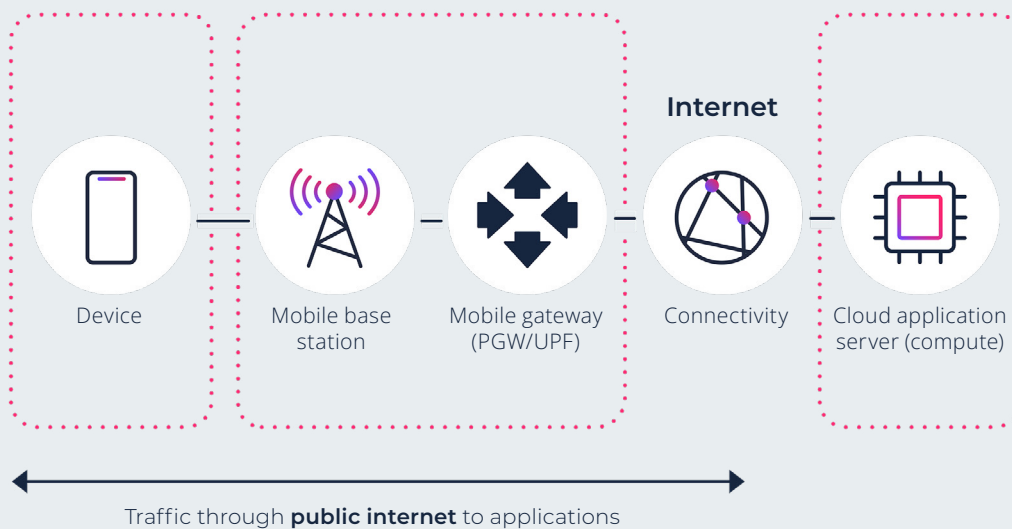
Alibaba Cloud   Tencent Cloud

How **Edge SIM is different**

Internet backhauling is common practice for most IoT connectivity solutions.
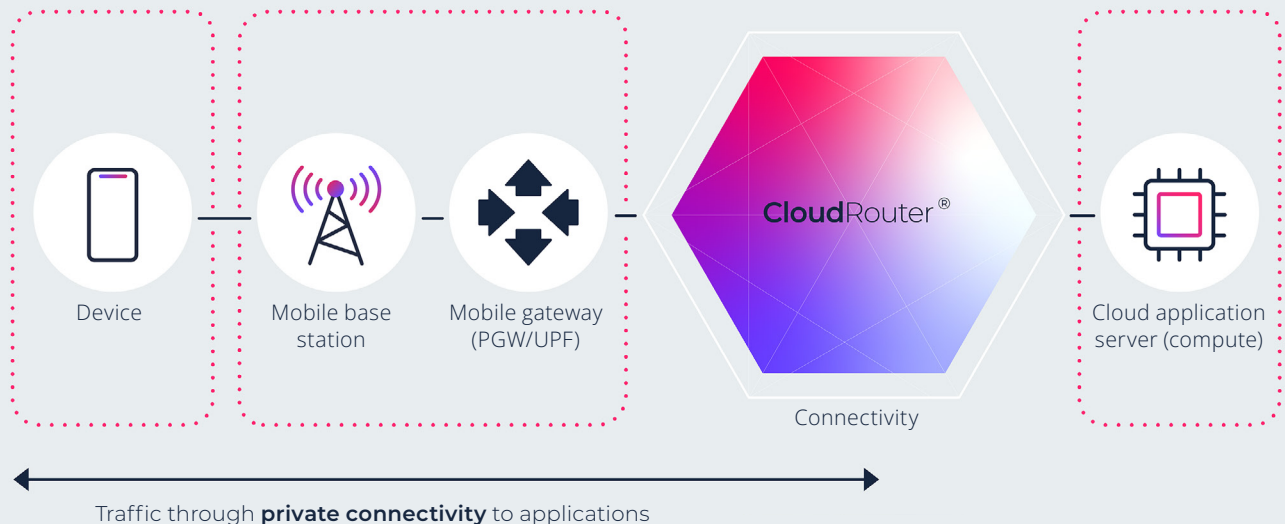
Connected devices are exposed to the public internet when traffic is passed from the mobile operator to back-end applications and hardware.

A standard IoT connectivity model

Internet

Device — Mobile base station — Mobile gateway (PGW/UPF) — Connectivity — Cloud application server (compute)

Traffic through **public internet** to applications

What makes Edge SIM and Console Connect different is that traffic passes from a mobile gateway directly to a virtual private Layer 3 network, which you can provision and control in real-time. Your traffic completely avoids the public internet.

A hybrid virtual Layer 3 connectivity model

Device — Mobile base station — Mobile gateway (PGW/UPF) — **Cloud**Router® — Cloud application server (compute)

Connectivity

Traffic through **private connectivity** to applications

Experience the
power of CloudRouter®

Edge SIM is an extension of our Layer 3 **CloudRouter**® service.

Using the Console Connect management portal or via API, you can:

- Create a virtual Layer 3 mesh network between your IoT devices and other network endpoints

- Dynamically routes traffic between network endpoints

- Delivers more efficient routing and takes away the pain of network management

- Fully integrated with the Console Connect ecosystem, giving you instant direct, private access to leading cloud and SaaS providers

- Choose your class of service and prioritise your most critical data
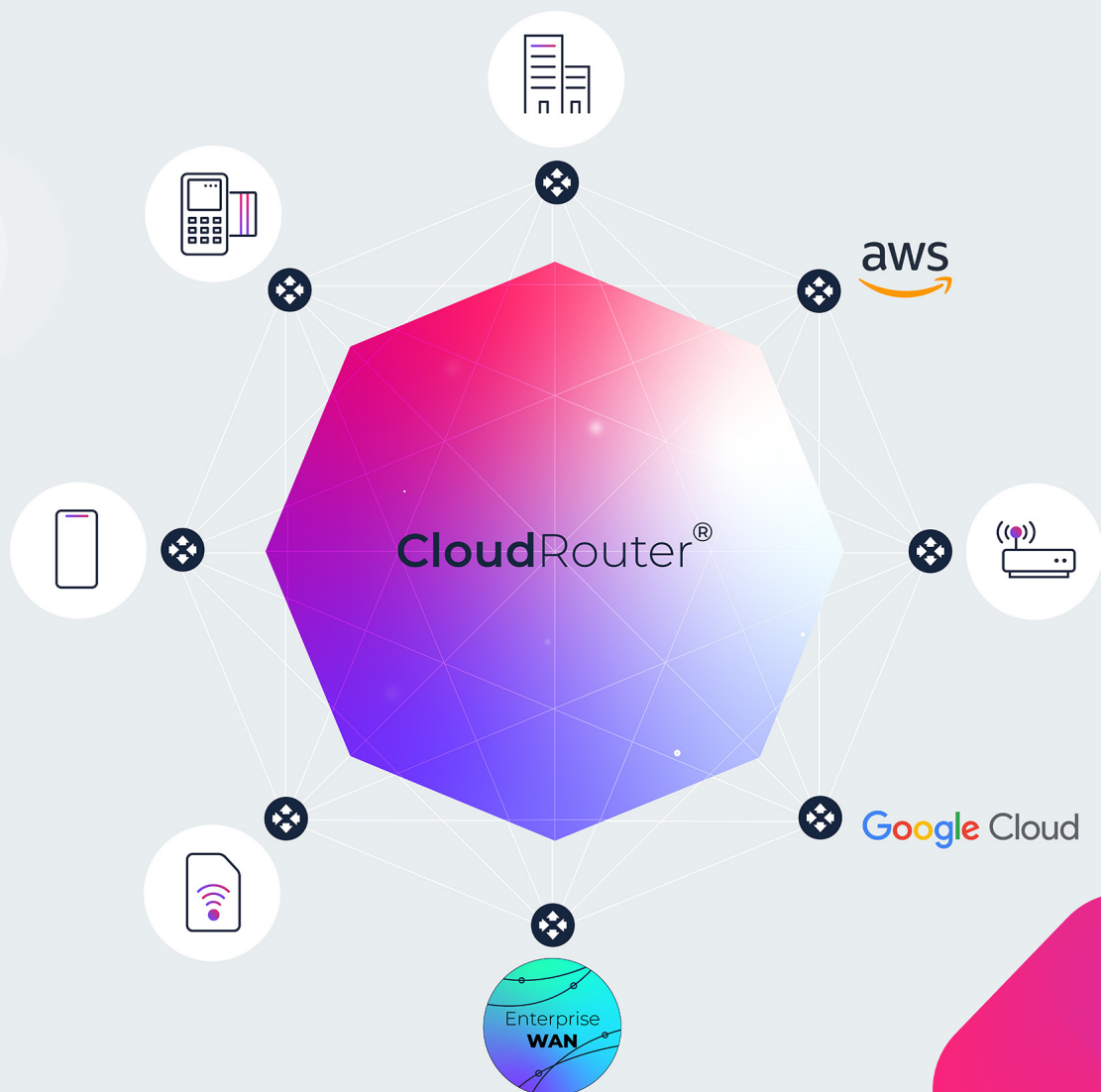
When an Edge SIM
really shines

Some compelling use cases for taking your traffic away from the public internet:

Revolutionising payment networks

- Use Edge SIM to build a highly secure payment network
- Directly connect Point-Of-Sale (POS) devices to a cloud-based payment network
- Fast and scalable POS deployment worldwide
- Makes payment network management easier for retailers and improves security of customer data
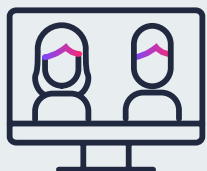
Protecting your remote workforce

- Fast and secure connections for your remote workers
- Easy to add and remove remote office locations to your virtual Layer 3 network
- Scale up and down to meet the evolving needs of your workforce
- Your remote workers can directly access cloud-based applications and services hosted in different data centre locations

Live broadcasting

- Use Edge SIM with standard GSMA-complaint video cameras
- Supports multiple mobile video feeds and delivers live video streaming from multiple angles during sports events
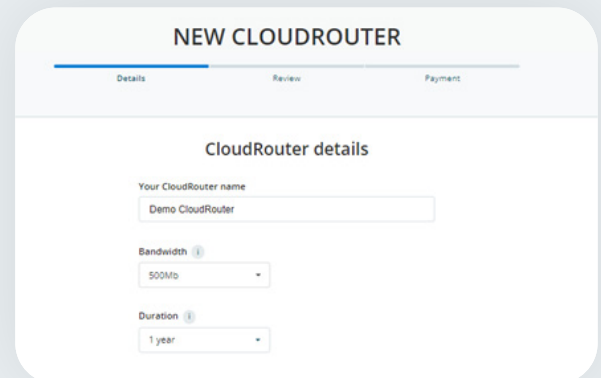- Suitable for live streaming from a video server hosted in the public cloud

How it **works** —

Once you've registered on Console Connect, there are two things you will need to get going:

1 Configure network using **CloudRouter**®

You will need to already be set-up with an activated Access Port to do this.

- Order your **CloudRouter**®
- Choose bandwidth and length of contract
- Add your Edge SIMs and other sites
- Select Class of Service between sites
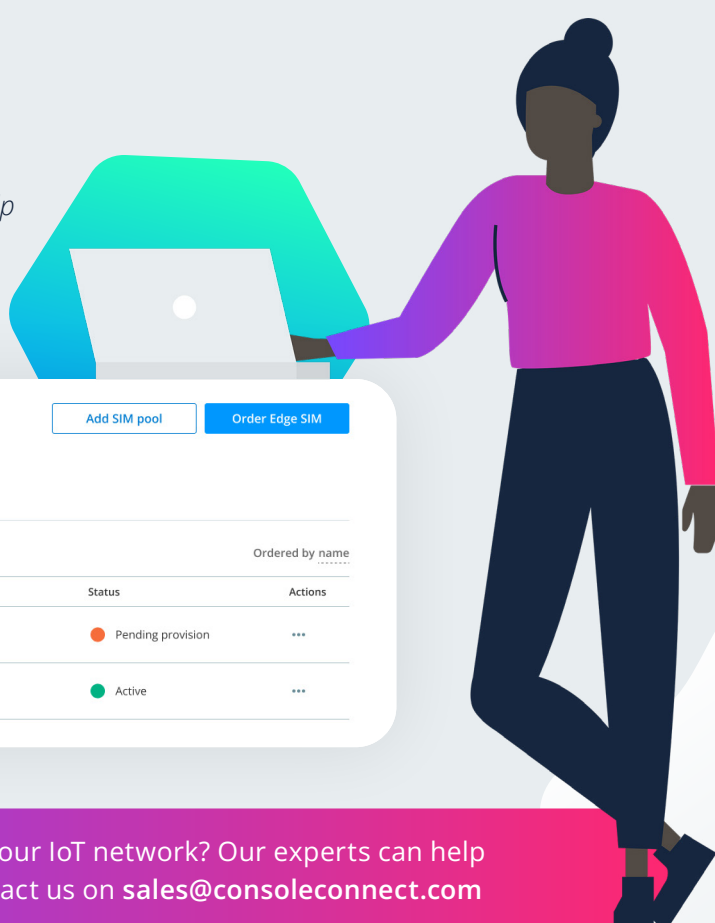
2 Edge SIM activation

- Order Edge SIMs to your required location
- Select your usage plan
- Once you receive your SIMs, configure them via the management portal
- Assign your Edge SIMs to a site
- Review your usage plan

Please refer to Console Connect Help Centre for more detailed steps

NEW CLOUDROUTER

Details	Review	Payment

CloudRouter details

Your CloudRouter name
Demo CloudRouter

Bandwidth ⓘ
500Mb

Duration ⓘ
1 year

Edge SIM Management Portal

Add SIM pool   Order Edge SIM

Specifications   Ts and Cs   Help

SIM pools   Orders   SIMs

Ordered by name

SIM pool name	SIMs	APN	Status	Actions
Default@apn	700	Singapore1	🟠 Pending provision	...
Testing for phones	2	Singapore1	🟢 Active	...

Need a helping hand setting up your IoT network? Our experts can help onboard you to the platform. Contact us on **sales@consoleconnect.com**

consoleconnect

How do I **sign up?**

- Take control
- Cut complexity
- Make interconnection effortless

Easy as a click! Try it for free:
Register now

Have other questions we didn't cover?

Join our community of experts.

www.consoleconnect.com
Talk to us: sales@consoleconnect.com