

Product Brochure

Singtel Next Gen IoTConnect+

Delivering easy-to-set-up, flexible  
and secure network services to  
power IoT innovation

Singtel's Next Generation IoTConnect+ platform enables enterprises to provide secure, flexible and robust network services for a wide range of IoT use cases, with powerful policy-control capabilities for greater control over SIM usage.

# Singtel Next Gen IoTConnect+

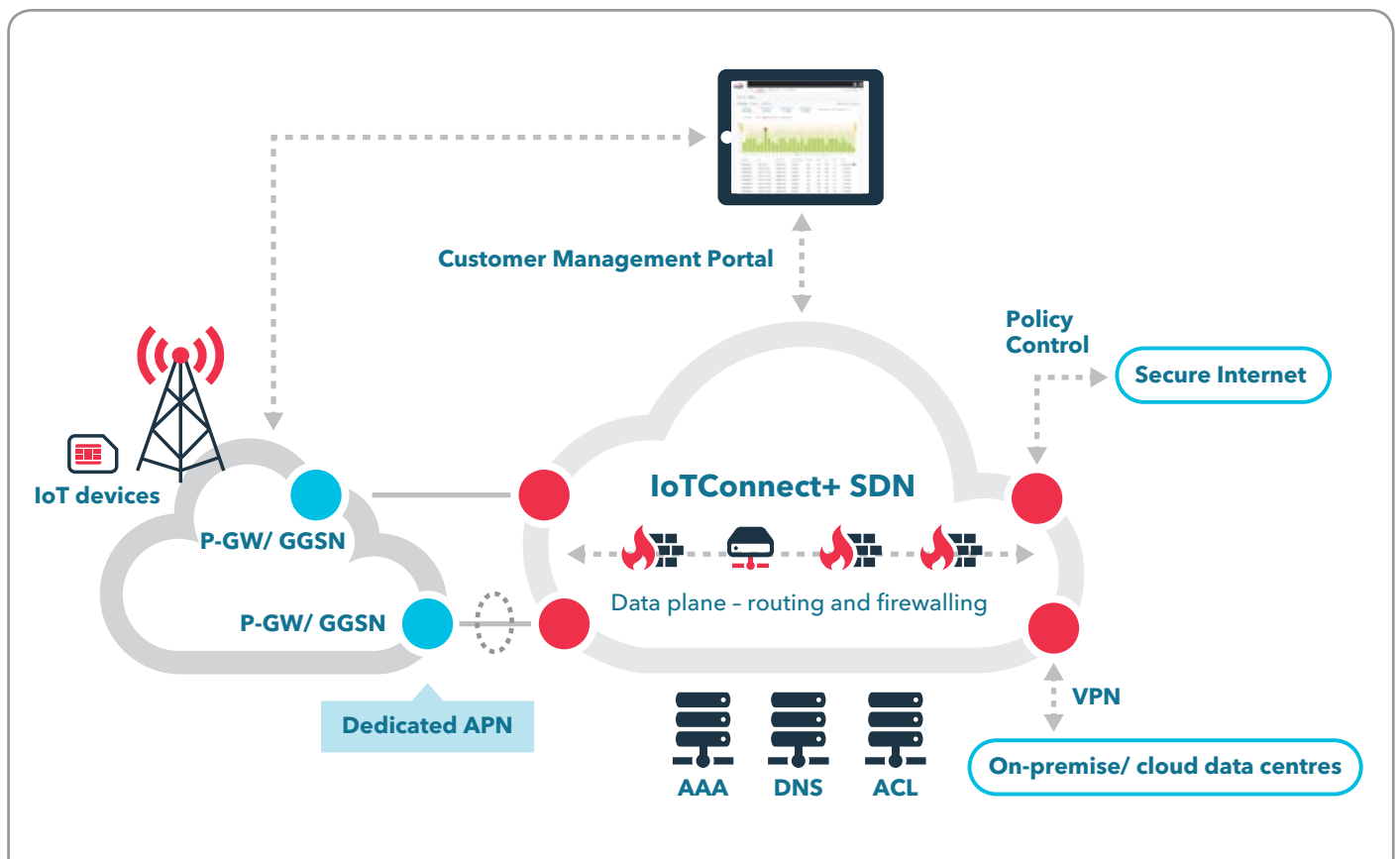
## Enterprise challenges

New architectures such as SD-WAN, Zero Trust, and SASE seek to make secure access to applications across enterprise facilities – including branch offices – more agile, cost-effective, and manageable. But the Internet of Things (IoT) has always been treated as an exception using siloed solutions like VPNs or other client overlays. These legacy alternatives don't align with strategic objectives for unified management and security and may limit visibility and control over mobile traffic, creating compliance exposure. They can also be a source of employee frustration and may be circumvented, compromising IT policies and creating security exposure.

## Singtel Next Gen IoTConnect+

Singtel addresses these IoT connectivity challenges with Next Gen IoTConnect+. This cloud-hosted platform enables enterprises to set up a hybrid network providing access to both the public Internet and private networks over a private APN. Thus, fulfilling customers' diverse local and regional use cases, leveraging communications technologies such as 4G, 3G, Cat-M1 and NB-IoT. At the same time, powerful policy-control capabilities provide granular control over the SIM's usage, such as blacklisting of websites, bandwidth control, time-based Access Control and IP whitelisting. Also, an enhanced reporting tool provides a bird-eye view to the customer, thus helping them monitor traffic from their IoT devices.

## How It Works



## Features



### Network and SIM management

- Choose from a range of standard, ruggedised and eSIMs in different form factors.
- Provides SIM status, inventory, diagnostic, usage and meta-data in real-time
- Choose between radio technology such as 4G, 3G, Cat-M1 and NB-IoT based on the use case.
- Set up a private network with private static IPs and a VPN connector for secure bidirectional data communication.



### Policy management

- Define blacklist/whitelist websites to control websites accessible via the public Internet.
- Create an IP Access Control List (ACL) to control inbound and outbound communication via a private network.
- Implement Access Time Controls (ATC) to access the Internet within a defined period.



### Security

- Safeguard data end-to-end with a cellular core network and always-on protection
- Secure data transmission with clientless IPsec, Window Connector (TLS1.2) and secure Internet



### User management

- Create new users and assign custom roles using Role-Based Access Control (RBAC).
- Secure login with built-in Two-Factor Authentication (2FA) for login.



### Reporting and audit

- Obtain insights such as data usage at the SIM, account or group level.
- Use audit log to track user activity, identify security incidents and troubleshoot.
- Access knowledge base articles for deployment and troubleshooting provided by the digital assistant.

## Benefits



### Enhances security and visibility

- Improves network security with private network connectivity and gain granular control.
- Enhances security, accountability and compliance with advanced audit logs.
- Facilitates self-debugging with log files, connector status reports, and digital assistant.



### Reduces usage and development costs

- A policy-based data consumption management feature enables cost reduction.
- Reduces development time and eliminates complexities with an easy to setup hybrid network.
- Allows projects to start small for trials and proofs-of-concept before scaling them up.



### Delivers greater flexibility and uptime for IoT networks

- Flexibility to connect with public Internet or create a private network or both.
- Set up IoT network from any web browser within minutes.
- Improves redundancy by allowing multiple gateways to be set up for each network.
- Allows for multiple projects to be managed from the same account.

## Why Singtel?



Industry-recognised telco leader in Asia.



A comprehensive suite of connectivity and related solutions spanning cellular networks, Wi-Fi, WANs, cloud connectivity, and security.



Plugged into one of the world's largest IPVPN networks with 428 points of presence in 362 cities, 30 cloud access gateways, and global Internet covering over 200 countries



The security-first approach ensures that customers' businesses are protected as they grow



Secure and programmable core network optimised for IoT.

# About Singtel

Singtel is Asia's leading communications technology group, providing a portfolio of services from next-generation communication and technology services to infotainment, to both consumers and businesses. For consumers, Singtel delivers a complete and integrated suite of services including mobile, broadband and TV. For businesses, Singtel offers a complementary array of workforce mobility solutions, data hosting, cloud, network infrastructure, analytics and cyber-security capabilities. The group has presence in Asia, Australia and Africa and reaches over 740 million mobile customers in 21 countries. Its infrastructure and technology services for businesses span 21 countries, with more than 428 direct points of presence in 362 cities.

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## Awards

IoT Breakthrough Awards 2023  
M2M Vehicle Telematics Solution of the Year

Asian Telecom Awards 2022  
Technology Innovation of the Year (Singapore)  
5G Standalone

Gartner Magic Quadrant for Network Services,  
Global, 2022  
Singtel Named as a Visionary

Global Carrier Awards 2022  
Best IoT Initiative

IoT Innovation Award 2022  
APAC Multi-Domestic Connectivity Solution  
for Automotives

Channel Asia Innovation Awards 2021  
Tech Innovation (Emerging) - 5G

Frost & Sullivan APAC Best Practices Awards:  
APAC Managed SD-WAN Customer Value Leadership Award (2021)  
SG IOT Service Provider of the Year (2020)