



Product Brochure

Singtel IoT Connectivity

# Simplifying local and regional IoT expansion with an end-to-end connectivity solution

Singtel's broad and robust portfolio of mobile connectivity solutions helps enterprises simplify IoT connectivity with options best suited to their business requirements. It includes different connectivity solutions, a unified dashboard for holistically managing connectivity across the IoT deployment, and a compelling multi-domestic, multi-domestic value proposition.

# Singtel IoT Connectivity

## Enterprise challenges

IoT adoption is growing across the Asia Pacific, driven by rising demand for remote operations, improvements in network coverage, and the rollout of commercial 5G. IDC expects IoT spending in the region\* to reach US\$436 billion in 2026, with a compound annual growth rate of 11.8% for 2021-2026.

With the strong business impetus to implement IoT systems locally and across the region, many enterprises face the complex challenge of provisioning connectivity from the device level to their IT systems. The process involves putting together different front and back-end connectivity options and dealing with other network service providers and regulatory regimes if the deployment is being rolled out on a regional basis. They will also have to ensure that the connectivity can scale as the business grows.

## Singtel IoT Connectivity

Singtel IoT Connectivity platform provides an end-to-end solution that addresses these challenges, with connectivity options that can be selected based on the enterprise's IoT requirements.

*Singtel IoT Connectivity Connectivity Customisation Options*



## Features



### **SIM solutions**

- Standard and ruggedised SIMs in different form factors
- Customised eSIMs from authorised SIM manufacturers
- eUICC subscription management



### **SIM Lifecycle Management Platform**

- Allows for integration with the enterprise's own IoT platforms using APIs
- Provides real-time status of all their connected devices
- Provides real-time diagnostics of changing network conditions and device behaviour
- Enables usage monitoring for better budget management
- Ensures service reliability with timely problem identification and intervention



### **Mobile Networks**

- 4G for high-speed, high-bandwidth applications such as vehicle telemetry and video surveillance
- Cat-M1 and NB-IoT for low-bandwidth applications such as environmental sensors or asset-tracking



### **Multi-Regional Multi-Domestic Connectivity solution**

- Single point of contact for deploying and managing IoT connectivity across the Asia Pacific
- Use of eSIM and eUICC technology to enable local data connectivity within different countries
- Single unified platform to provide visibility and management for all IoT deployments.

\* Excluding Japan

<sup>1</sup> IDC, Asia/Pacific Internet of Things Spending to Reach \$436 Billion in 2026, 2022

## Features (continued)

### Wide Area Network Solutions

Singtel offers several connectivity options for your devices to send data back to your backend servers:



#### Internet

- Straight-forward unidirectional data transmission from device to servers over the Internet via a Public APN.



#### IoTConnect+

- Rapidly create and deploy enterprise mobile networks on-demand in real time to multiple endpoints like data centers, clouds and even notebooks.
- Instantly create secure VPNs with no additional infrastructure or software required.
- Control device Internet access with Secure Internet URL whitelists.
- Instantly switch your devices between UAT and production environments.



#### Meg@POP IP VPN

- A high-performance domestic MPLS network
- Allows enterprises to connect their IoT devices securely to multiple data centres and multiple clouds



#### SIM to SIM

- Available within the same private network of SIMs
- Enables rapid mobile-edge data transmission from SIM to SIM
- Suitable for applications that have critical ultra-low latency and high-reliability requirements

## Benefits



#### Minimises complexity with an end-to-end solution

- Provides seamless end-to-end connectivity from the IoT device to your IT systems
- Eliminates the need to deal with different vendors for different connectivity segments
- Flexibility to connect to your IT systems with different WAN options



#### Simplifies regional IoT deployment

- Simplifies regional IoT rollout with one lead operator, one contract, and a standard service level agreement across multi-domestic markets
- Provides unified billing, as well as streamlined service delivery and customer support
- Provides access to local knowledge and experience, and an ecosystem of top mobile operators in the region



#### Delivers efficient, fit-for-purpose connectivity

- Caters to different bandwidth requirements with cellular technology options such as 3G, 4G, CAT-M1 and NB-IoT
- Addresses security and reliability requirements for backend connectivity with different WAN options



#### Ensures scalability

- Easy onboarding of new devices with a unified SIM management platform
- Backend infrastructure is highly scalable with software-defined and on-demand provisioning capabilities



#### Provides end-to-end security

- Core network is secure and optimised for IoT
- Critical IoT SIMs can be taken off the public Internet and onto an on-demand private IP network for IoT devices



#### Simplifies connectivity management

- Allows all connectivity to be managed in real-time through a unified portal
- SIM lifecycle can be monitored and managed across all deployed sites or countries
- Unified reports facilitate decision-making with regard to the IoT deployment

## Why Singtel?



**Comprehensive portfolio with established expertise in networking**



**Robust ecosystem and in-country experience**



**Single procurement process**



**Trusted partner**

# About Singtel

Singtel is Asia's leading communications technology group, providing a portfolio of services from next-generation communication, 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)