A 3D-rendered padlock is positioned on top of a smartphone. The padlock is glowing with a rainbow spectrum of colors (red, orange, yellow, green, blue, purple). The smartphone screen displays a grid pattern, suggesting a security interface. The background is dark with blurred light trails, giving a sense of motion and technology.

Product Brochure

Singtel 5G Enterprise Mobile Protect Shielding the enterprise from zero-day threats with AI-driven 5G security

As 5G connectivity proliferates and becomes more embedded in business processes, there is an urgent need for enterprises to protect themselves against increasingly sophisticated cyber threats and data privacy risks.

Singtel's Enterprise Mobile Protect (EMP) is one of the world's first 5G network-level protection solutions for the enterprise's mobile fleet. The AI-powered 5G security service proactively blocks cyber threats in real-time, preventing malware from reaching mobile devices.

Singtel 5G Enterprise Mobile Protect

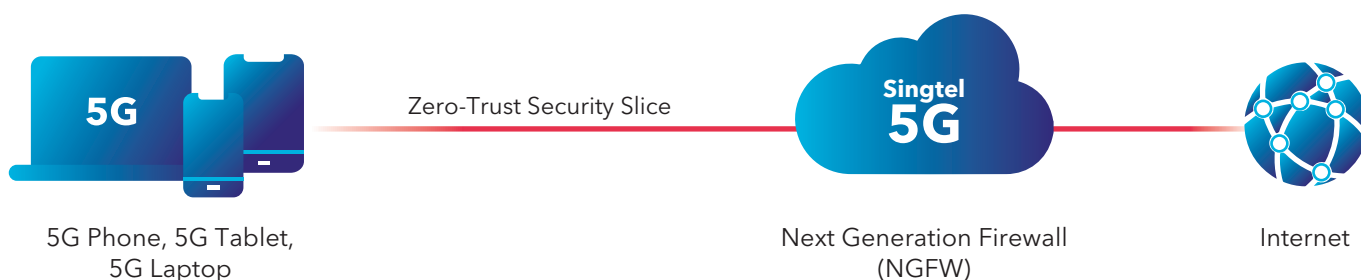
Enterprise challenges

5G mobile connectivity is expected to add nearly \$1 trillion¹ to the global economy by 2030, driven by growing workforce mobility and other business applications. For enterprises, the challenge will be to secure these applications in the face of increasingly sophisticated threats as cybercriminals start to make use of artificial intelligence (AI) in their exploits.

Unfortunately, many enterprises are not fully prepared for these developments. A 2023 report on the Cybersecurity Preparedness of Businesses in Singapore found that only 27% of respondents had confidence in their organisations' capabilities to combat cyber threats effectively. The same year, 8 in 10 organisations in Singapore encountered a cybersecurity incident, with 46% of companies incurring a financial loss of at least US\$2 million.^{2,3}

To turn this around, enterprises must find effective ways to safeguard data and ensure secure access to resources.

Singtel 5G Enterprise Mobile Protect (EMP)



Singtel addresses these security concerns with Enterprise Mobile Protect (EMP), a network-based security solution for 5G mobile devices with a 5G SIM card connected to Singtel's 5G standalone network.

The solution leverages 5G network slicing technology to create a Zero Trust security slice that integrates a Next Generation Firewall (NGFW) into Singtel's 5G network. Powered by AI and machine learning, the NGFW proactively detects and blocks cyber threats such as viruses, malware, spyware, and phishing links in real time, preventing them from reaching users' mobile devices.

Features



Antivirus

- Detects and intercepts threats at the network level before they reach user devices.
- Protects against viruses, worms, trojans and spyware downloads.



Anti-spyware

- Blocks spyware from being installed by monitoring downloads and potential entry points.
- Blocks botnets from transmitting information to third parties.



AI and Machine Learning

- Leverages machine learning and AI to detect and analyse emerging and evolving threats.
- Protects against new and unknown malware, including zero-day threats.



Vulnerability protection

- Evaluates security vulnerabilities to prevent threats from entering the network.
- Stops attempts to exploit system flaws to gain unauthorised access or carry out phishing attacks.



URL filtering

- Enables businesses to monitor and control how users access the web.
- Evaluates the website against URL filtering categories before deciding whether to allow or block user access.



Whitelist or blacklist

- Provides more granular controls by allowing/blocking access to specific IP addresses.
- Whitelist allows access to specific websites, while a blacklist denies access to specific websites.

Benefits



Advanced threat detection for business continuity

- Proactively identifies and blocks threats at the network level in real-time.
- Prevents vulnerabilities from being exploited by threat actors to gain access to the network.
- Stops malware from siphoning off data to unauthorised third parties



Leveraging on AI/ML to protect applications

- Driven by a well-trained machine learning algorithm that blocks millions of daily threats.
- Block unknown command & control traffic and exploitation attempts in real time.
- Safeguard sensitive data from advanced exfiltration techniques with adaptive AI technology.



Enables security to be tailored to specific business needs

- Delivers adaptive security with customization.
- Allows additional policies to be set up for different levels of security clearance.
- Allows additional profiles to be created for more granular and effective security.



Simplifies security management with zero-touch deployment

- Ensures users are protected without the need to install and update any security applications.
- Automates protection against emerging and evolving threats with machine learning and AI.

Why Singtel



Industry-recognised telco leader in Asia with a strong ecosystem of alliance partners, network providers and OEMs



Comprehensive suite of connectivity and security solutions spanning cellular networks, Wi-Fi, WANs, cloud connectivity, and security



Strong security and network consultancy, configuration and deployment capabilities with industry-certified professionals



One-stop service provider delivering convenient and comprehensive support backed by a dedicated 24x7 global helpdesk service



Proven track record in managing high-performance enterprise networks and deploying secure connectivity solutions to enterprise and public sector customers

About Singtel

Singtel is a leading Asian communications technology group, operating next-generation connectivity, digital infrastructure and digital businesses including regional data centre arm Nxera and regional IT services arm NCS. The Group has presence in Asia, Australia and Africa and reaches over 780 million mobile customers in 21 countries.

For consumers, Singtel delivers a complete and integrated suite of services, including mobile, broadband and TV. For enterprises, Singtel offers a complementary array of workforce mobility solutions, data hosting, cloud, network infrastructure, analytics and cyber security capabilities.

Singtel is dedicated to continuous innovation, harnessing technology to create new and exciting customer experiences, support enterprises in their digital transformation and shape a more sustainable, digital future.

For more information, visit www.singtel.com

¹GSMA, Safeguarding the future: Managing 5G security risks, 2023

²CSA, Survey over 2,000 organisations in 2023

³Cloudflare, Survey of 297 organisations in 2023