

建設Wi-Fi連通城市

BUILDING Wi-Fi CONNECTED CITY

((;)) Wi-Fi.HK Mr. Vincent WONG Senior Project Manager (Smart City) Office of the Government Chief Information Officer 31 August 2020

OBJECTIVES

A common Wi-Fi brand ((()) Wi-Fi.HK established in 2014

Concerted efforts of the industry, private and public sectors, and the Government





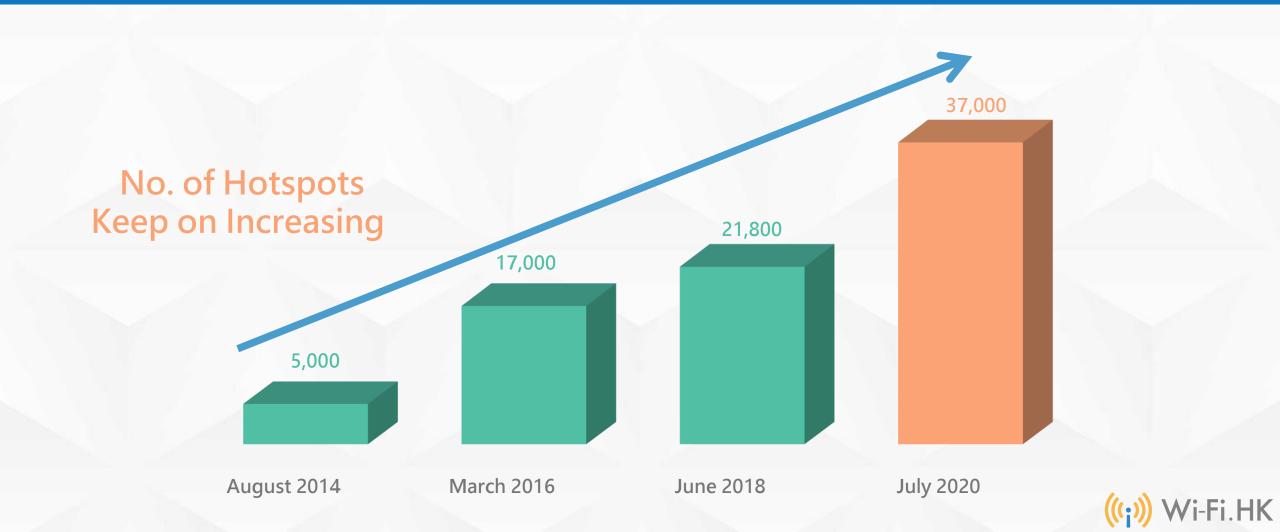


Make it easier for the public and visitors to find and use the free Wi-Fi services in Hong Kong Stimulate the development of public Wi-Fi in Hong Kong

Further advance Hong Kong's position as a high connected city in the world



GROWTH OF HOTSPOTS

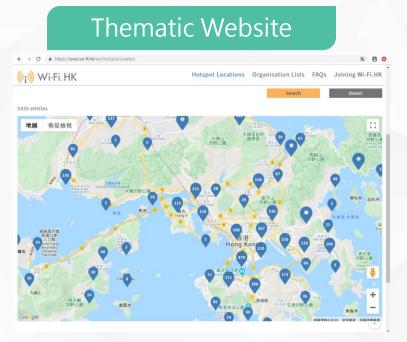


EXTENSIVE COVERAGE



TOOLS FOR FINDING HOTSPOTS

Facilitate the public to find and use Wi-Fi.HK service



> 73,000 Average Monthly Views (in last 6 months)





Indicating availability of Wi-Fi service in the onsite area



MULTI-PRONGED APPROACH

Government funded Wi-Fi service

Public-private collaboration at government venues

Encouraging more organisations to join "Wi-Fi.HK" brand

Wi-Fi Connected City



GOVERNMENT FUNDED Wi-Fi SERVICE

By different schemes to provide free Wi-Fi service for various premises:

- Term Contract and Standing Offer Agreement (for government premises)
- Subsidy Scheme and SWD's Pilot Project (funding to NGOs for their premises)



Public-private collaboration at government venues

Encouraging more organisations to join "Wi-Fi.HK" brand

TERM CONTRACT





Public-private collaboration at government venues Encouraging more organisations to join "Wi-Fi.HK" brand

SERVICE SPECIFICATION

Technology used: optical fiber and mobile Wi-Fi

Support dual frequency bands: 2.4GHz and 5GHz

Wi-Fi standard: IEEE 802.11b/g/n/ac Wave 2



Public-private collaboration at government venues Encouraging more organisations to join "Wi-Fi.HK" brand

Wi-Fi SERVICE AT VARIOUS PUBLIC PREMISES

Average Download Speed



4 hours per session, unlimited session per day

Public Library

- Major District Park / Garden / Rest Garden / Playground
- Sports Ground / Sports Centre / Swimming Pool
- Museum / Arts Centre / Major Promenade
- Community Hall / Community Centre
- Public Rental Housing
- Shopping Centres under Housing Authority
- Public Market / Cooked Food Centre
- Government offices / Service Centres with public services
- Public Enquiry Service Centre
- Job Centre



Public-private collaboration at government venues Encouraging more organisations to join "Wi-Fi.HK" brand

HIGH SPEED ZONE Wi-Fi SERVICE 10 TOURIST ATTRACTION LOCATIONS

High Speed Zone Download Speed

30 minutes per session, max 2 sessions per day

- Golden Bauhinia Square cum Wan Chai Temporary Promenade
- Temple Street Pai Lau (Near Jordan Road)
- Hong Kong Tourism Board Kowloon Visitor Centre
- Peak Road Garden
- Stanley Promenade
- Repulse Bay Beach
- Ngong Ping Road Interchange
- Hong Kong-Zhuhai-Macao Bridge Hong Kong Port
- Tai Kwun
- Hong Kong Wetland Park



Public-private collaboration at government venues

Encouraging more organisations to join "Wi-Fi.HK" brand

SOA FOR PROVISION OF WI-FI SERVICES FOR GOVERNMENT BUREAUX AND DEPARTMENTS (B/DS)

Effective from 1 March 2019, Standing Offer Agreements are arranged for acquiring and installing the Wi-Fi Service for Internet access at B/Ds' venues

Technology used:

Optical fiber and

mobile Wi-Fi

For Optical Fiber: <=1Gbps per venue For Mobile Wi-Fi: > 20Mbps per access point Support dual frequency bands: 2.4GHz and 5GHz

Wi-Fi standard: IEEE 802.11b/g/n /ac Wave 2



Public-private collaboration at government venues

Encouraging more organisations to join "Wi-Fi.HK" brand

SUBSIDY SCHEME FOR PROVIDING FREE PUBLIC WI-FI SERVICES

Launched in March 2017 Providing financial support for eligible non-profit-making organisations to offer the services in their study rooms and youth service centres



youth service centres and study rooms, involving 780 hotspots Fixed or Mobile

network



Wi-Fi standard: IEEE 802.11n or IEEE 802.11ac or more advanced



Public-private collaboration at government venues Encouraging more organisations to join "Wi-Fi.HK" brand

PILOT PROJECT ON PROVISION OF WI-FI SERVICES

for Eligible Welfare Service Units Operated by Organisations Receiving Subventions/Subsidies from the Social Welfare Department



Service Units, including relevant units of elderly services, rehabilitation services, family and child welfare services, youth services, etc.

350



Public-private collaboration at government venues

Encouraging more organisations to join "Wi-Fi.HK" brand

BENEFITS TO SOCIETY



More government premises with free Wi-Fi service installed, more convenient for the public to connect to the Internet



Tourists can use Wi-Fi service to share their photo or video taken at tourist attraction spots easily; and in turn promote the image of Hong Kong



Subsidy scheme facilitates the public (students in particular) to utilise and learn from Internet resource



Pilot project encourages subvented organisations to make use of technology products to improve services to public



PUBLIC-PRIVATE COLLABORATION AT GOVERNMENT VENUES

Public-private collaboration (PPC) approach has been adopted to provide free public Wi-Fi services at government venues since 2016.



No payment between the Government and the Service Provider (SP) The SP is allowed to operate value-added services at the venues to sustain the Wi-Fi operation





Mobile service Online advertisement

Commercial Wi-Fi service





Government funded Public-private collaboration Wi-Fi service at government venues

Encouraging more organisations to join "Wi-Fi.HK" brand

CONSULTATION AND INVITATIONS

Consulted the industry, positive views and support received Four rounds of PPC invitations conducted so far

Service Providers to provide free public Wi-Fi services at more than 100 government and public venues, e.g. public transport interchanges, footbridges, parks, toilets, land borders, museums, promenades, public hospitals etc. **60**

Venues with Wi-Fi Services and value-added services progressively launched since August 2017 Years Service Agreement with lead time (12- 18 months) for service installation

4

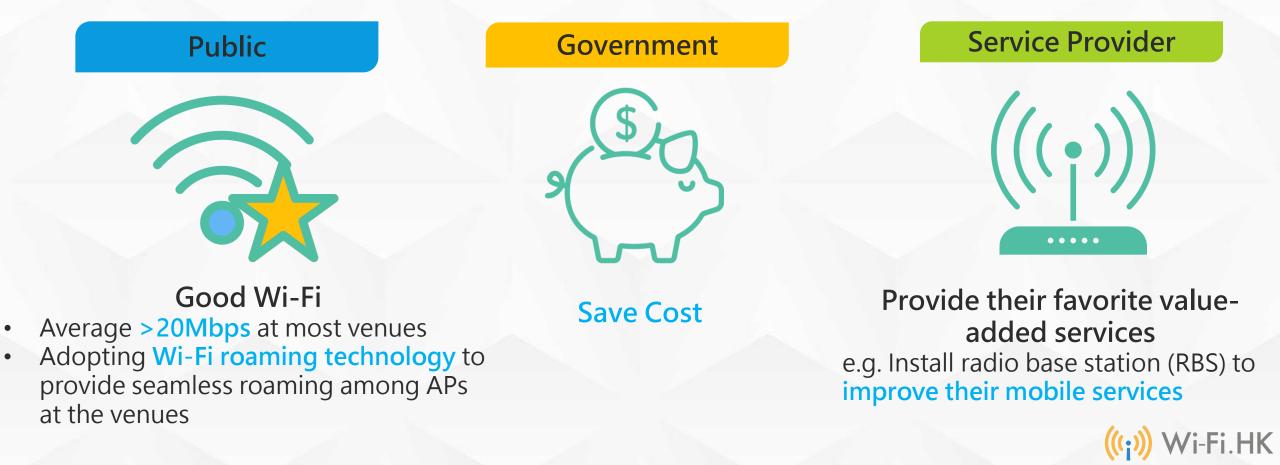


Public-private collaboration at government venues

Encouraging more organisations to join "Wi-Fi.HK" brand

PPC ARRANGEMENT WELCOMED BY CONCERNED PARTIES

The arrangement is mutually beneficial to the public, SPs and Government



ENCOURAGING MORE ORGANISATIONS TO JOIN "Wi-Fi.HK" BRAND

NO prior registration

At least 30 minutes free

Currently over



Participating Organisations



Government funded Public-private collaboration Wi-Fi service at government venues

Encouraging more organisations to join "Wi-Fi.HK" brand

Wi-Fi.HK PARTICIPATION (examples)

Wi-Fi Service Providers

HGC **csl.** 中國移動 China Mobile COMMUNICATIONS 環球全域電訊

SmarTone



Tourism Related Organisations







Industrial / Commercial Organisations



Full list: https://wi-fi.hk/en/Organization

Public-private collaboration at government venues

Encouraging more organisations to join "Wi-Fi.HK" brand

QUALITY OF SERVICE: PERFORMANCE ASSURANCE EXERCISE

On-Site Checking

Validate venue information and support service Speed Test

Ensure Wi-Fi.HK service performance

Security Test

Identify potential security risks



Public-private collaboration at government venues

Encouraging more organisations to join "Wi-Fi.HK" brand

QUALITY OF SERVICE: USER EXPERIENCE SURVEY

90%

of respondents would recommend Wi-Fi.HK to friends 87%

of respondents would continue to use Wi-Fi.HK 70%

of respondents rated 5+ (out of 7) on Wi-Fi.HK service



Public-private collaboration at government venues

Encouraging more organisations to join "Wi-Fi.HK" brand

PUBLICITY OF Wi-Fi.HK



	0			
all 3 😤 <	12:28 PM WIFI.HONGKON		72% 🔳)	
- wifi hor	Posts			
Choi Hun		8 8400 FT		
005	✓ •••			
12 likes wifi.hongkon	g 🏢 🎆 公共屋邨免費 W	'i-Fi巡禮 彩虹	48 📸	
	Q 🕀	ò	•	
Vario eye-ca	ous fo atchin),

animation etc.





Wi-Fi, HI

平均速度每秒20Mb以」

費用全免)

無需登記

중 GuestONLY 🕯 要密碼

⊘Wi-Fi.HK

⇒ HelloWiFi

仲要我 入資料 政府近年大力推動免費公共 Wi-Fi服務・並着力提升公共Wi-Fi 服務的質素。為提升上網達度及穩定 性,超過九成的政府Wi-Fi場地定現开建綱給及IEE 802 11ac Wi-Fi標準。上網速度會相應提升至平均每秒20兆比 特(Mbps)或以上,較現時平均每秒3至4兆比特(Mbps)大幅 提高。

現時,部份戶外的政府場地缺乏固定網絡設施。若鎬設 網絡,需進行大量追點工程,既所費不非,亦需時較長,難 以在短期內有效地提供小厂服務,有見近年志動網絡技術 不斷發展,上網速度可遵至一定水平,政府早前在在款谷公 園、中裝涌公園和東浦比公園試行應用流動網絡技術,提供 全製WFTI服務。潮試試集團而,有關方案可以提供不錯的 連線速度,通常可達10%比特(Mbps)以上。

4-panel comic and feature article





Public-private collaboration at government venues

Encouraging more organisations to join "Wi-Fi.HK" brand

PROMOTION OPPORTUNTIES FOR PARTICIPATING ORGANISATIONS









BUILDING Wi-Fi CONNECTED CITY



