



30 YEARS OF GRATITUDE: FROM LOCAL PEERING TO GLOBAL IMPACT

HKIX Key Milestones

- 1 The **FIRST Internet Exchange Point (IXP)** in Hong Kong
- 2 The **FIRST 10GE and 100GE connection** in Hong Kong
- 3 Supported **IPv6** since 2004
- 4 Supported **Research and Education networks** since 2006
- 5 Launched **Satellite Sites** since 2017
- 6 Launched **Reseller Program** since 2019
- 7 Obtained **ISO27001 (2019) and MANRS (2020)**
- 8 Launched **New Core Site at HKIX1c** since 2021
- 9 Supported **400GE connections** since 2021
- 10 Launched **Reseller Site at HKIX6** since 2025

Statistics & Achievements

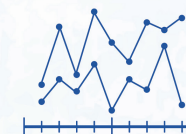
- 1 Peering Networks:

300+



- 2 Peak Traffic:

>3 Tbps



- 3 Uptime availability:

99.999%



- 4 Global Reach:

40+ Regions



Our Partners

HKIX has different reseller partners and operates multiple satellite sites with collaborators to provide cost-effective, high-performance local internet connectivity.

SATELLITE SITES



RESELLER SITES



RESELLERS



Local & Global Impacts

- 1 Keeps Traffic Local, Speeding Up Connections And Reducing International Reliance



- 2 Provides Cost-Efficient Internet Connectivity For Local And Regional Networks



- 3 Supports Small And Medium-Sized Businesses By Offering Low-Bandwidth Connectivity At Affordable Rates



- 4 Draws Global Carriers And Platforms - Both Big And Small - To Peer In Hong Kong



- 5 Helps Hong Kong Position As A Regional Internet Hub, Facilitating High-Volume Data Exchange Across Asia



- 6 Robust And Secure To Support Stable, Efficient Routing, Maintaining Network Integrity



HONG KONG INTERNET HISTORY

1960s
*Submarine Cable:
Gateway to Global Connectivity*

1980s
*Pioneering Digital Connectivity
Through Fibre Optics*

1990s
*Igniting the Internet Era:
Leaping from Academic Roots to
a Commercial Digital Frontier*

**Mid 1990s
and 2000s**
*Shaping the Digital Landscape:
From Industry Unity to
Innovation Hubs*

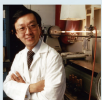
**Late 2000s
and 2010s**
*Journey Toward a Smart
and Connected Future*

2020s
*Accelerating the Future:
Hong Kong's Emergence
as Asia's Innovation
Gateway*

1960s
Hong Kong's global communications submarine cable, laid by the Mercury fleet through Southeast Asia to Singapore, was completed in Hong Kong's deep-sea area.



1981
Replacing the traditional copper wire, the first fibre optic communication system was developed for commercial use by 'Father of Fibre Optics', Professor Charles KAO.



1990
The .hk domain was registered, before Hong Kong had full internet connectivity, laying the foundation for Hong Kong's Internet identity.



1991
The Faculty of Engineering at the Chinese University of Hong Kong (CUHK) established Hong Kong's first 64Kbps Internet link to the United States, marking the city's first internet connection.

1992 HARNET
The Hong Kong Academic & Research Network (HARNET) IP-based backbone was established, connecting universities and fostering academic collaboration.

1993-1996
Supernet, founded by HKUST, became Hong Kong's first licensed commercial Internet Service Provider (ISP) and, along with HKIGS, established one of the earliest 64Kbps direct connections to the United States.



1995
The Hong Kong Internet Exchange (HKIX) was established to connect local Internet Service Providers directly, becoming the backbone of local traffic and reducing reliance on international routes.

1997
Asia Pacific Regional Internet Conference on Operational Technologies (APRICOT) first came to Hong Kong in 1997 to promote the development of the internet in the region.



1999
The HKSAR Government announced a HK\$10+ billion Cyberport development aiming to establish the city as a global hub for information technology services.



1990s-Mid-2000s
Multiple submarine cables landed in Hong Kong, vastly increasing international bandwidth.

2001
Hong Kong Science & Technology Parks (HKSTP) was established by the HKSAR Government to support startups and research while driving innovation and technology development.



2001
The Computer Emergency Response Team Coordination Centre (HKCERT) was established by the Hong Kong Productivity Council to handle cybersecurity incidents locally.



2001
For better local domain governance, the Hong Kong Internet Registration Corporation Limited (HKIRC) was formed to manage all '.hk' domain names.



2008
The HKSAR Government launched the 'GovWiFi' program, expanding public wireless internet access.



2013
The Hong Kong Network Operators Group (HKNOG) was established. It serves as a platform for network operators in Hong Kong to exchange technical and operational knowledge.



2017
The HKSAR Government released its first Smart City Blueprint, outlining 76 initiatives to advance digital infrastructure and services across areas like smart government, living, and economy.



2018
The HKSAR Government earmarked HK\$20 billion in the 2018-19 Budget to develop the Hong Kong-Shenzhen Innovation and Technology Park (HSITP), aiming to boost technological innovation and cross-city collaboration.



2023
The Hong Kong Web3.0 Association was established, signaling the government's proactive embrace of blockchain and digital assets.



2024
The HKSAR Government officially launched Hong Kong's first Artificial Intelligence Supercomputing Centre in Cyberport.

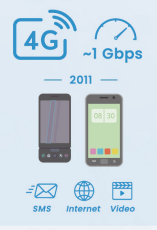
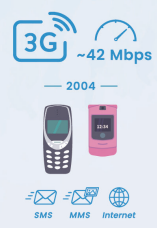


2025
The World Internet Conference - Asia Pacific Summit was hosted in Hong Kong for the first time, enhancing digital collaboration to drive development in the Asia-Pacific region.

Internet Speed
(Mobile)

Internet Speed
(Household)

HKIX
Peak Traffic



14.4-56kbps
Dial-up (PSTN)
— 1990s —

256kbps - 3 Mbps
ADSL
— Early 2000s —

6-30Mbps
VDSL /
Cable Broadband
— Mid 2000s —

100 Mbps
FTTB / Cat5
— 2010 —

1 Gbps
FTTH
— 2015 —

2.5 Gbps (FTTH) /
100-300Mbps (5G FWA)
FTTH / 5G FWA
— 2020-2021 —

10-50 Gbps
FTTH / 10G PON
— 2023-2025 —

55Mbps

720Mbps

30Gbps

103Gbps

441Gbps

1.77Tbps

3.16Tbps

HONG KONG INTERNET LANDSCAPE

Number Of
Mobile Network
Operators

5*



Number Of Local fixed
Network Operators

29*



*Low-Latency
Connectivity*
Through Major

12*

Submarine
Cable Networks



5G Coverage
Exceeds

99%*

Of The Population



Number of key
Internet Exchange
Points in
Hong Kong

4



Hong Kong Hosts **over 50** Data Centers,
With More Than 10 New Facilities
Underway

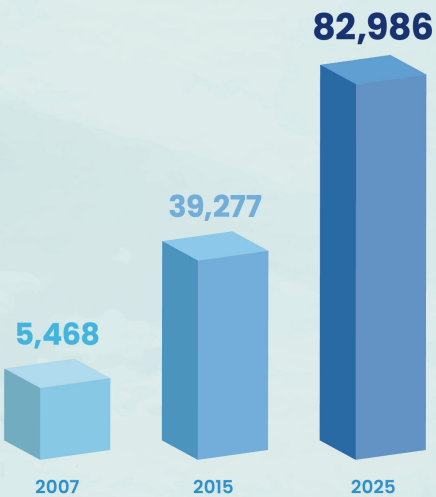


350*

Internet Service
Providers Licensed
To Provide
Broadband Services



*A 15x growth in
Public Wi-Fi
Access Points**



Top-Tier Broadband
Speeds Worldwide
~300-400 Mbps
For Fixed Broadband



Household Broadband
Penetration Rate:

97.8%*



Mobile Subscriber
Penetration Rate:

367.8%*



Active Internet Users
Reached

95.8%



#Figures are based on data available as of September 2025
*Data is retrieved from the Office of the Communications Authority / Census and Statistics Department