



**HKT has become the first telecom service provider to adopt
50G PON technology in Hong Kong¹**

Supporting 50G applications via 50G PON technology

HKT (SEHK: 6823) – 26 March 2024 – HKT announced the adoption of the latest 50G PON technology, making it the first telecommunication service provider in Hong Kong to support 50G applications through the use of 50G PON technology¹. This prepares HKT for the delivery of an ultra-high-speed, multi-device and ultra-low-latency network experience for both consumers and commercial customers.

50G fibre broadband offers a significant step up in speed, with a specification download speed of up to 50Gbps². Paired with the latest Wi-Fi 7 technology, the remarkable increase in bandwidth supports smooth simultaneous multi-device connectivity of all kinds for users both at home and in a commercial setting. Latency also improves by a substantial 27%³ on average compared to that of a 1000M fibre network.

Bruce Lam, CEO, Consumer, HKT, said, "NETVIGATOR has always been at the forefront of the market. We are delighted to become the first telecommunication service provider in Hong Kong to adopt 50G PON technology. With the development of smart homes, demand for high-speed multi-device connections has been increasing to cater for activities such as 8K video streaming, large video file transfer and sharing at home, online gaming and even real-time financial market monitoring and trading. We will continue to explore cutting-edge technologies to meet our customers' future connectivity needs."

Steve Ng, Managing Director, Commercial Group, HKT, said, "HKT Enterprise Solutions has consistently provided diverse digital solutions for our commercial customers. As AI and cloud applications become ubiquitous, enterprise customers' demand for bandwidth, speed and low latency have continued to elevate. For example, employees need to use cloud services, collaboration tools, and AI solutions within the office environment. Schools are actively implementing e-learning and remote teaching. Large-scale events such as exhibitions and concerts generate high demands for live streaming or AR/VR experience solutions. Through this latest technology, we are preparing ourselves for the network needs of different customers."

Applying the innovative 50G PON technology, HKT is able to further enhance the performance of its existing fibre network with ease. Currently, HKT's 10G fibre broadband network⁴ covers over 2.4 million households across 50,000 residential buildings, as well as 8,000 commercial buildings in Hong Kong.

Notes:

¹ According to the market data disclosed by major telecommunication service providers in Hong Kong as at 26 March 2024, HKT is the first telecommunication service provider to adopt 50G PON technology in Hong Kong.

² The actual speed will be less than the network specifications and affected by the customer's device, technology, network and software used, network configuration and coverage, usage levels, international bandwidth and extraneous factors.

³ Based on the average test data results from HKT's network laboratory, connecting 50G broadband modem and fibre cables with computer equipment, as in March 2024. The above latency is only applicable to designated servers. Network latency in other areas will vary depending on the operational load of individual servers as well as network traffic.

⁴ Bandwidth specification of the 10G fibre broadband plans refers to network specifications of the subscribed services for the broadband line connected from the modem at customer's premises to the first piece of network equipment or central office of the NETVIGATOR / HKT business broadband network. 10G fibre broadband plans correspond to a maximum upstream and downstream bandwidth of 10Gbps. The actual speed will be less than the network specifications and affected by the customer's device, technology, network and software used, network configuration and coverage, usage levels, international bandwidth and extraneous factors. 10G fibre broadband service requires equipment with 10G-supporting specifications. NETVIGATOR / HKT business broadband service is provided by Hong Kong Telecommunications (HKT) Limited and is only applicable to designated areas / buildings, subject to the relevant terms and conditions.

About HKT

HKT is a technology, media, and telecommunication leader with more than 150 years of history in Hong Kong. As the city's true 5G provider, HKT connects businesses and people locally and globally. Our end-to-end enterprise solutions make us a market-leading digital transformation partner of choice for businesses, whereas our comprehensive connectivity and smart living offerings enrich people's lives and cater for their diverse needs for work, entertainment, education, well-being, and even a sustainable low-carbon lifestyle. Together with our digital ventures which support digital economy development and help connect Hong Kong to the world as an international financial centre, HKT endeavours to contribute to smart city development and help our community tech forward.

For more information, please visit www.hkt.com.

LinkedIn: [linkedin.com/company/hkt](https://www.linkedin.com/company/hkt)

For media enquiries, please contact:

HKT

Group Communications

Nicole Lo

Tel: +852 2888 2742

Email: nicole.cm.lo@pccw.com

Stella Tsang

Tel: +852 2883 8747

Email: stella.hy.tsang@pccw.com

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