光纖接達樓宇 標籤計劃
Labelling Scheme for Buildings with Optical Fibre Access
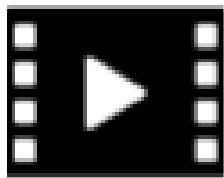
Telecommunications Users and Consumers Advisory Committee

29 June 2023

# Optical Fibre Network Architecture : FTTH / FTTB

Fibre-to-the-Home (FTTH)
- Building installed with optical fibre network which terminates at individual users
- Data speed: up to 10 Gbps
- Download 1-hour 4K video in 20 sec

Fibre-to-the-Building (FTTB)
- Building installed with optical fibre network, which connects to individual users through physical medium other than optical fibre (such as copper wire)
- Data speed: up to several hundred Mbps
- Download tens of digital photos in 1 sec

FTTH Building

FTTB Building

User

User

User

User

User

User
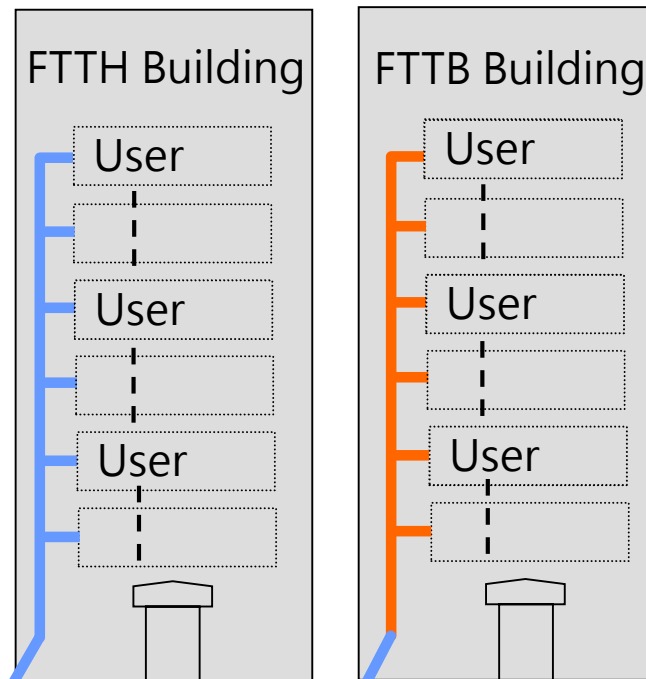
Telecommunications network

━━━ Optical fibre   ━━━ Copper wire

Merits of Buildings with Optical Fibre Network

For Building Owners and Residents	For Building Management Office
High speed connectivity & Low latency	Enhance management efficiency
Stable & High capacity	Develop smart building facilities
Enhance the overall value and premium image of the building	Enable effective use of common parts of building such as conduits

Labelling Scheme for Buildings with Optical Fibre Access

- Launched in Nov 2022

- Objectives are:

To promote the merits of optical fibre access

To provide Information on optical fibre access of individual buildings

To promote development of smart buildings

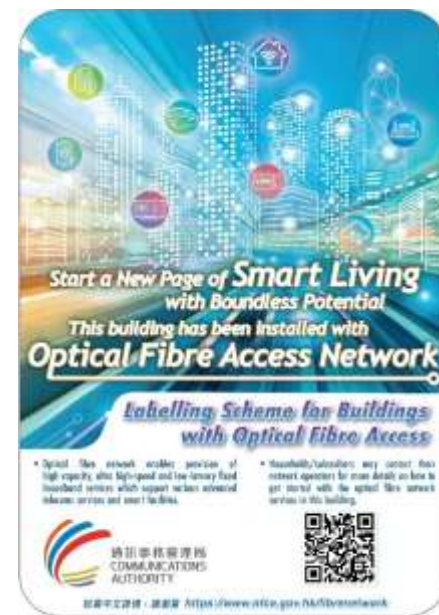To compile a register of buildings with optical fibre access

The Designated Label

For a registered building, the designated Label may be displayed in lobby or prominent location of the building to publicise its technological superiority in the way that the building has already been connected with optical fibre network for information of the residents and others

Subject to the conditions of use, a softcopy of the designated label may be downloaded and reproduced in any materials including notices, newsletters and websites relevant to the building at its own cost

通訊事務管理局辦公室
OFFICE OF THE
COMMUNICATIONS AUTHORITY

Thematic Webpage

https://www.ofca.gov.hk/fibrenetwork/en

Enquiry hotline : 8102 4100

OFCA webpage > For Consumers > Be a Smart User >
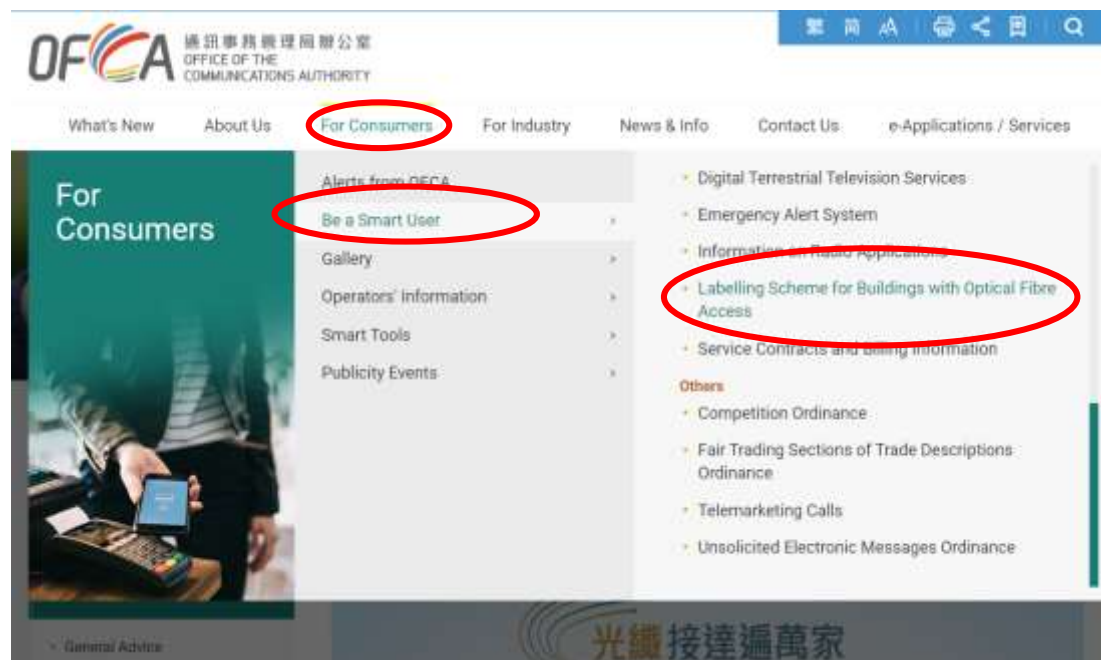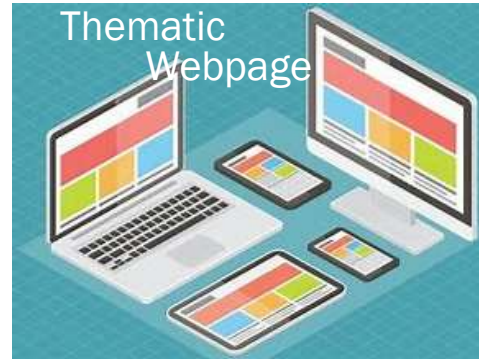
Publicity

Radio Announcement

TV Announcement

Thematic Webpage

Social Media

Poster

Circular letters
- Issued over 16,000 circular letters with the designated labels to owners' corporations (OC) and building management offices (BMO)
- Issued circular letters to over 40 property developers in Hong Kong
- Issued circular letters to over 1,200 building owners/OC/BMO not yet registered under the scheme

As of June 2023, the number of FTTH/FTTB buildings has exceeded 67,000, with over **90%** of living quarters connected with optical fibre networks !

光纖接達遍萬家
智能生活普及化
Optical Fibre Access Enables Smart Living for All

通訊事務管理局辦公室
OFFICE OF THE COMMUNICATIONS AUTHORITY

Hong Kong's Leading Positions in Broadband Services

- According to FTTH Council Europe, Hong Kong ranked 4th globally in FTTH/B penetration rate in 2023*

- According to Speedtest Global Index, Hong Kong's fixed broadband internet speed is one of the fastest in the world, ranked 5th** in April 2023, with a median download and upload speeds of 205.19 Mbps and 148.56 Mbps respectively

- As of 2023 Q2, over 90% of living quarters in Hong Kong have been connected with optical fibre networks

Percentage of Living Quarters Connected to Optical Fibre Networks

*Refer to: www.ftthcouncil.eu/knowledge-centre/all-publications-and-assets/1710/ftth-b-global-ranking-2023
**Refer to: www.speedtest.net/global-index/hong-kong-(sar)#fixed
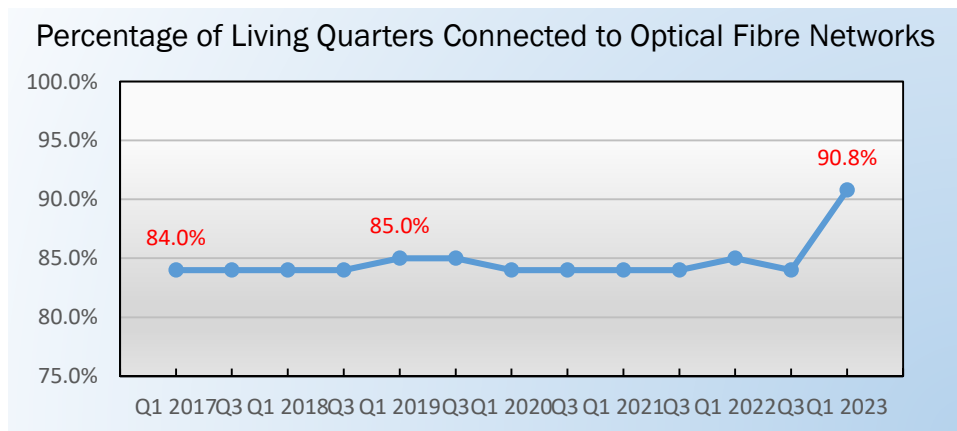
Most of Buildings in Hong Kong have Optical Fibre Access

For illustration only

Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image © 2023 Airbus
Image © 2023 TerraMetrics
Image © 2023 Maxar Technologies

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Google Earth

Imagery Date: 4/3/2022   22°20'55.87" N 114°06'16.84" E   elev   0 m   eye alt 78.11 km

The Register

Register of buildings connected with optical fibre networks
➢ OFCA complies a register based on information provided by fixed network operators, owners' corporations, BMO and property developers
➢ The register records the number of optical fibre networks in each registered building, the name and address of FTTH and FTTB buildings

Online Enquiry (searched by address or map)
➢ Webpage: *app1.ofca.gov.hk/apps/ubs/index.asp?lang=en#fibre*

The Register (2)

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Use of the Register

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How to Register

➢ OFCA maintains close contact with fixed network operators to collect data on buildings with optical fibre access

➢ Collects relevant data from owners' corporations, BMO and property developers

➢ Compiles the Register based on various data sources

➢ Relevant organizations are welcomed to provide following information
- ❑ Names and addresses of buildings connected with optical fibre
- ❑ Network operator which provides optical fibre network access
- ❑ Building class i.e. FTTH or FTTB

➢ Email：*ftth-b@ofca.gov.hk*

Thank you !