

Penetration rates (%)



Fixed-broadband¹

41.4
3Q 2021: 39.9



Mobile-broadband²

128.2
3Q 2021: 127.4



Mobile-cellular²

144.0
3Q 2021: 142.1



Pay TV³

81.1
3Q 2021: 82.2

Note:

1. Fixed-broadband refers to penetration rate per 100 premises

2. Mobile-broadband and mobile-cellular refer to penetration rate per 100 inhabitants

3. Pay TV refers to penetration rate per 100 households

Broadband



Total broadband subscriptions
('000)

45,743.5
3Q 2021: 45,214.7

↑ 1.2% QoQ

Fixed-broadband subscriptions
('000)



3,727.4
3Q 2021: 3,585.0

Subscriptions by premise, household and non-household.

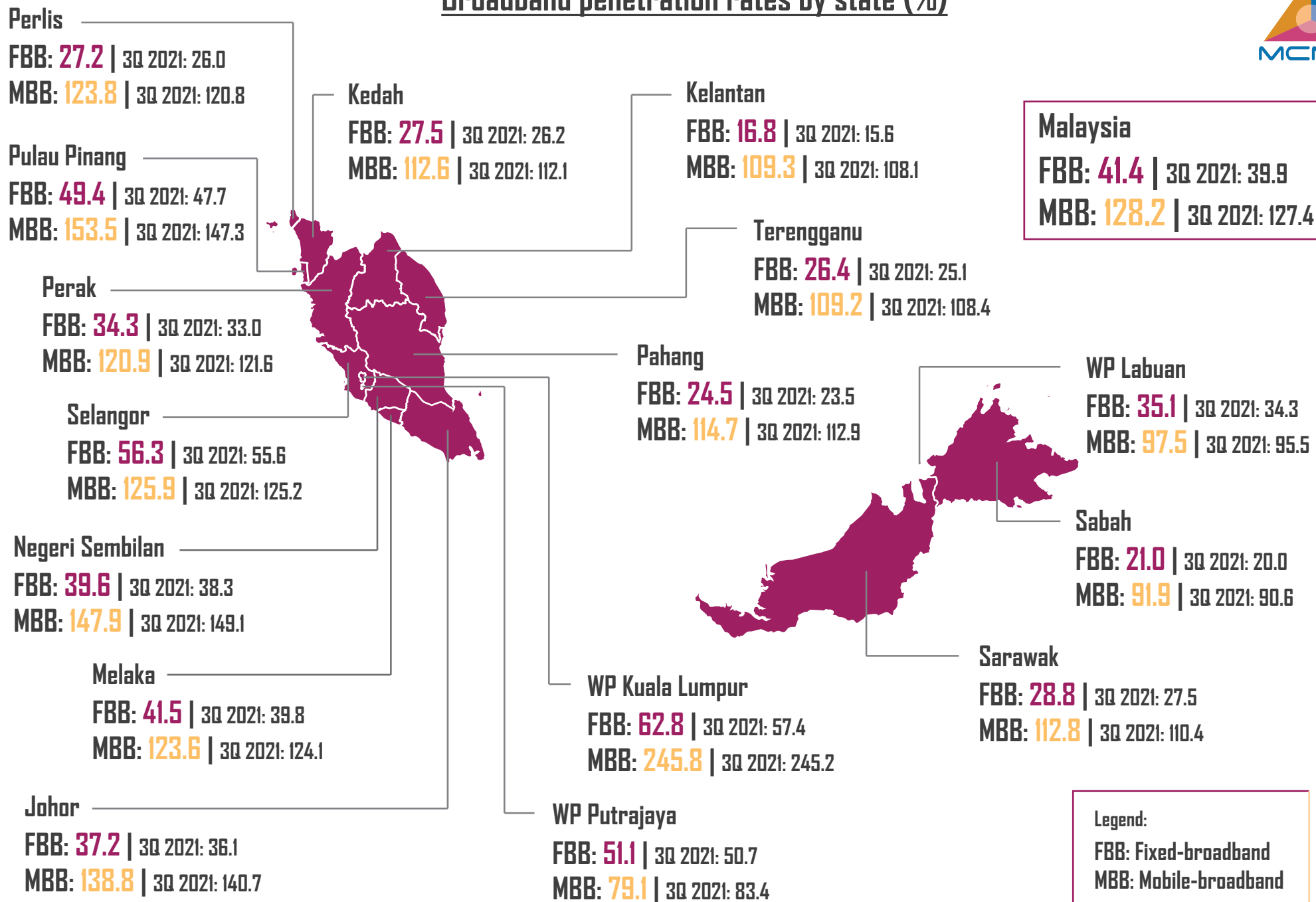
Mobile-broadband subscriptions
('000)



42,016.1
3Q 2021: 41,629.7

Subscriptions by individual.

Broadband penetration rates by state (%)

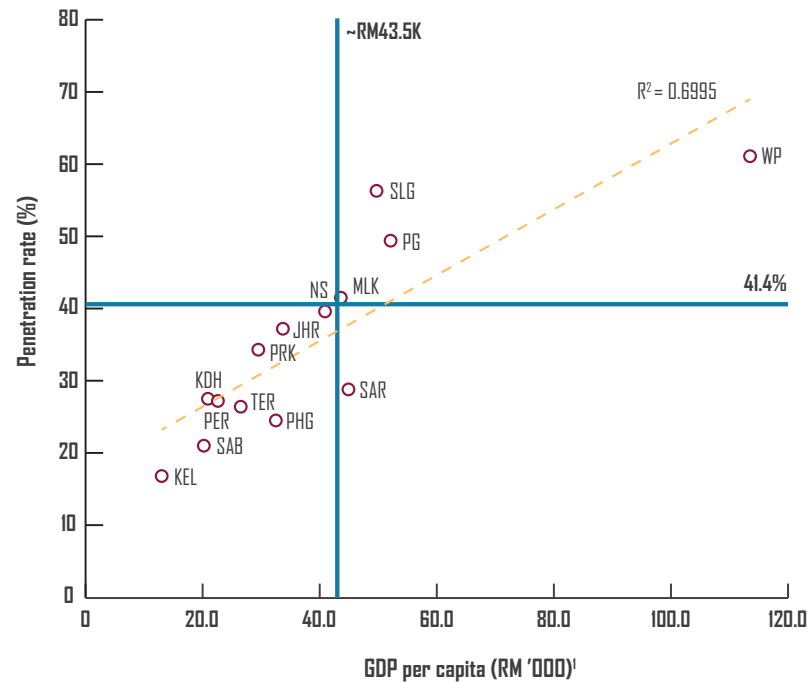


Note:

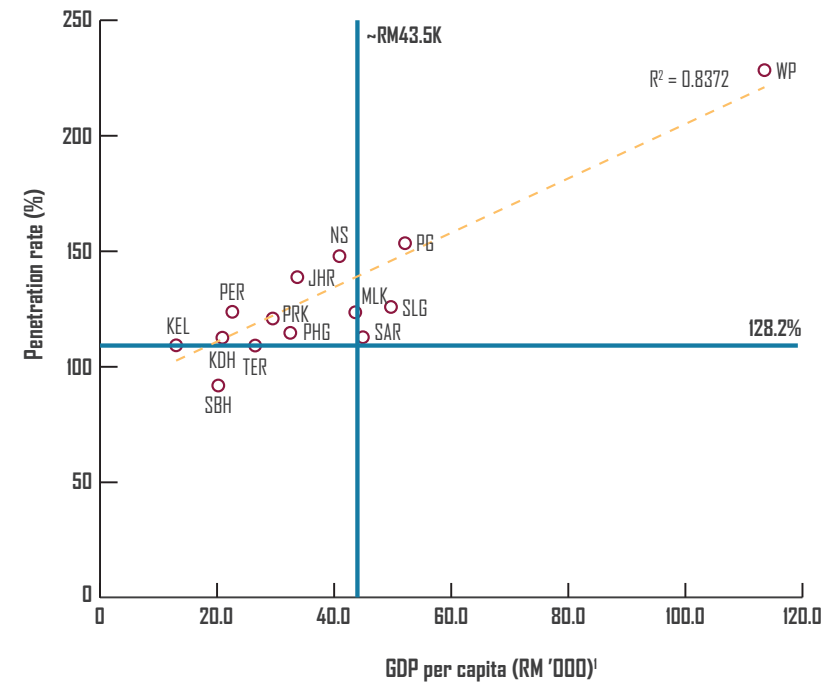
1. Fixed-broadband refers to penetration rate per 100 premises
2. Mobile-broadband refers to penetration rate per 100 inhabitants

Broadband penetration rates vs GDP per capita

Fixed-broadband penetration rate vs GDP per capita



Mobile-broadband penetration rate vs GDP per capita



- Malaysians are primarily connected to the internet via mobile broadband services (mobile-broadband penetration rate exceeding 100 percent in all states except Sabah). However, fixed-broadband service coverage and adoption are still lagging, particularly in states with lower GDP per capita than the national average.
- High-income states such as Selangor and Pulau Pinang recorded higher broadband adoption (both fixed and mobile) since they have among the best broadband coverage and demand compared to other states.
- Therefore, continuous support from state governments and service providers to facilitate the implementation of JENDELA projects will help the states with lower performance expand their broadband infrastructure.
- As a result, the expansion of broadband infrastructure within those states can further drive digital economy growth, contributing to higher per capita income.

Note:

1. Source: Department of Statistics Malaysia (DOSM), Gross Domestic Product (GDP) per capita by state as at 2020

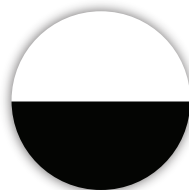
2. Blue solid lines indicate national figures and yellow dashed lines indicate line of best fit

3. R^2 refers to coefficient of determination

Broadband subscriptions by state ('000)



Johor
FBB: **447.1**
MBB: **5,275.4**



Pahang
FBB: **98.6**
MBB: **1,940.2**



Sarawak
FBB: **213.1**
MBB: **3,197.2**



Kedah
FBB: **156.3**
MBB: **2,481.3**



Perak
FBB: **251.1**
MBB: **3,042.4**



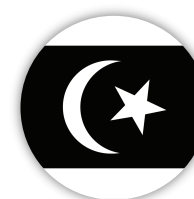
Selangor
FBB: **1,259.2**
MBB: **8,286.7**



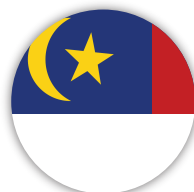
Kelantan
FBB: **66.1**
MBB: **2,118.2**



Perlis
FBB: **18.2**
MBB: **316.8**



Terengganu
FBB: **75.4**
MBB: **1,400.9**



Melaka
FBB: **118.9**
MBB: **1,164.1**



Pulau Pinang
FBB: **280.8**
MBB: **2,727.2**



Wilayah Persekutuan¹
FBB: **450.0**
MBB: **4,505.2**



Negeri Sembilan
FBB: **132.9**
MBB: **1,674.6**

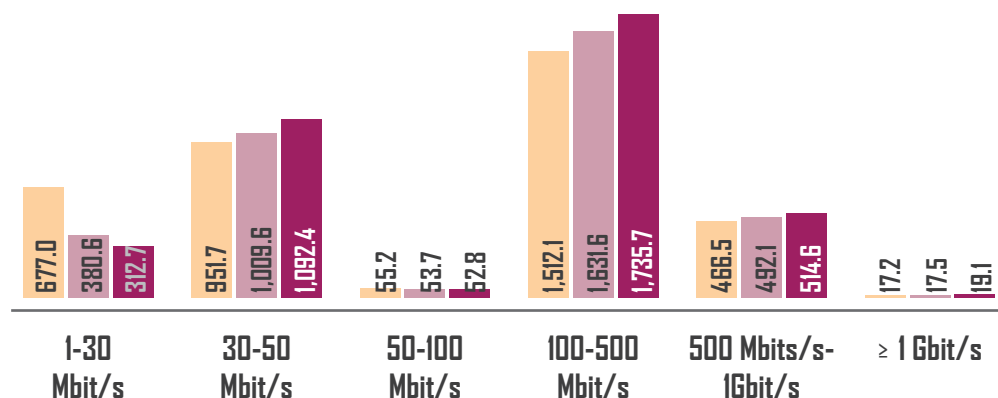


Sabah
FBB: **159.6**
MBB: **3,527.4**

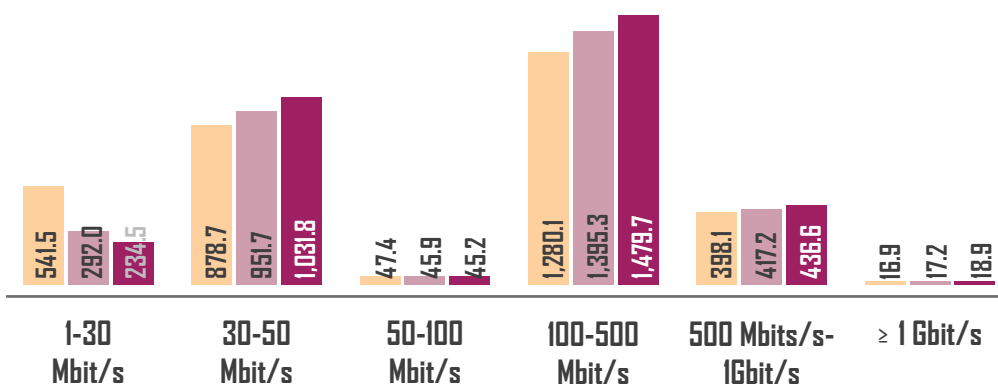
Legend:
FBB: Fixed-broadband
MBB: Mobile-broadband

Fixed-broadband subscriptions by speed range ('000)

Fixed-broadband subscriptions (Overall)

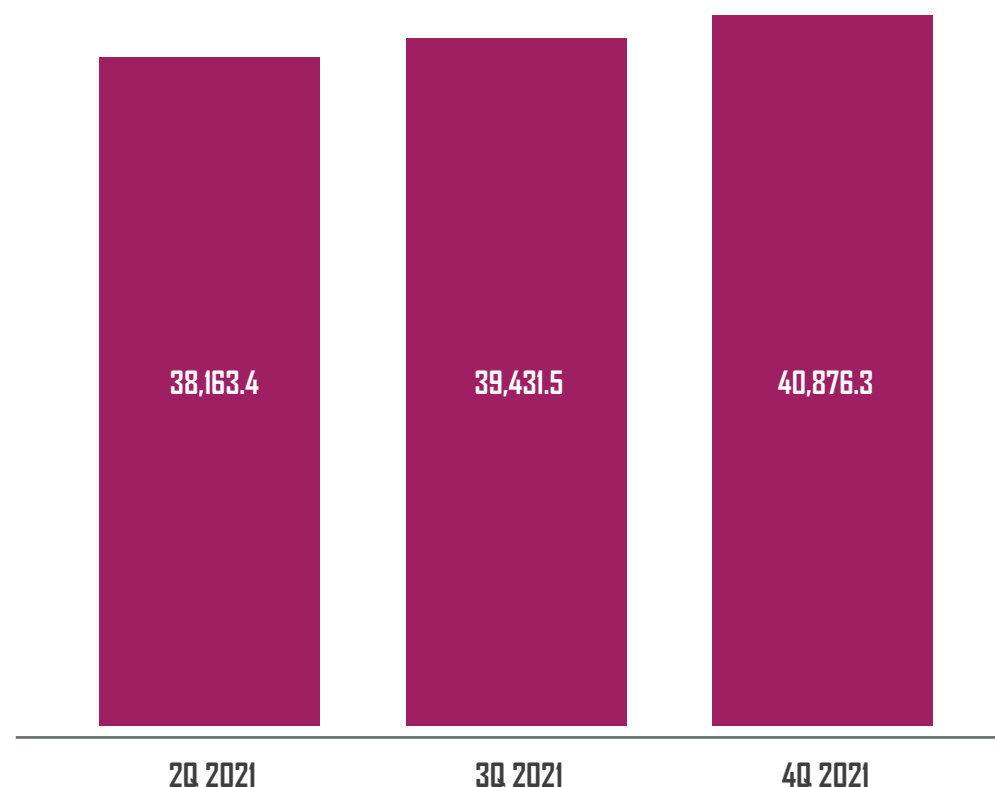


Fixed-broadband subscriptions (Household)



2Q 2021 3Q 2021 4Q 2021

4G mobile subscriptions ('000)



Note:

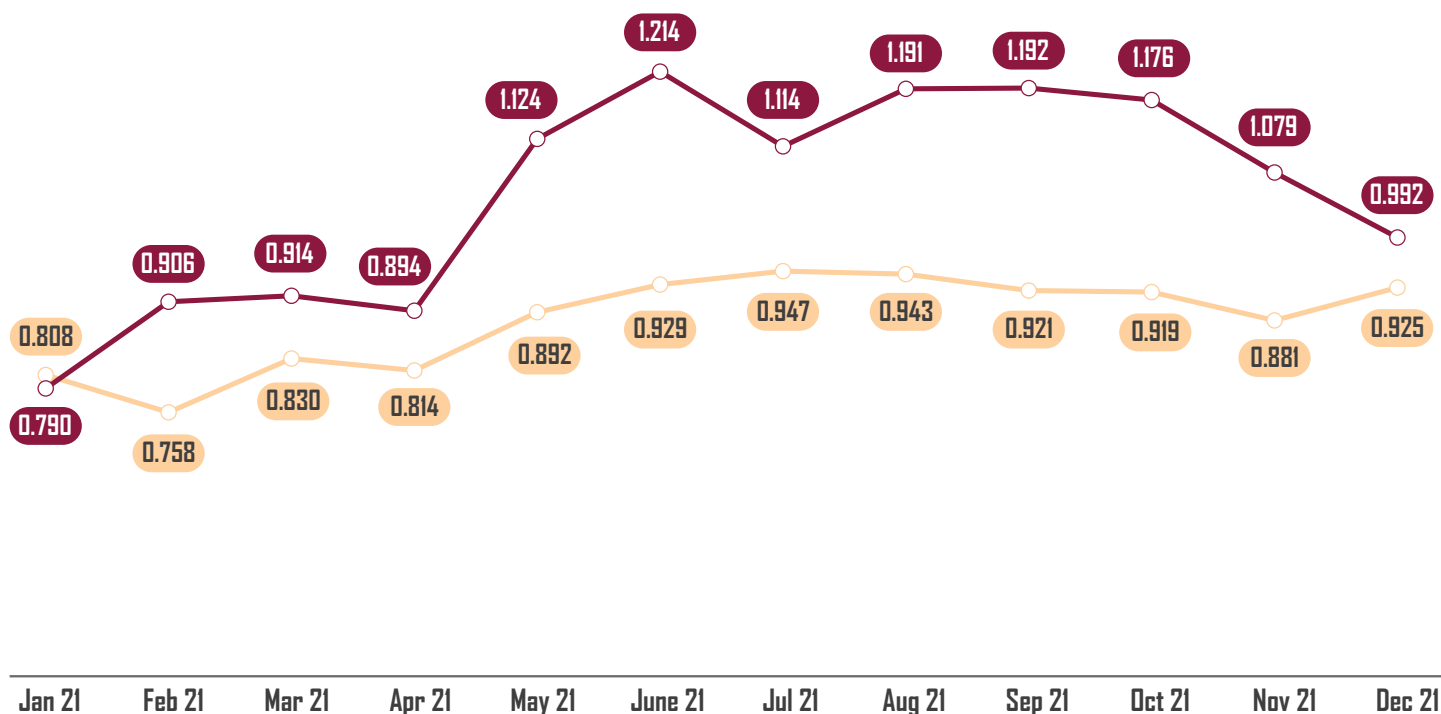
1. Each speed range includes the lower bound speed

Broadband traffic (exabytes)

Total broadband traffic:

FBB: **12.586**

MBB: **10.568**

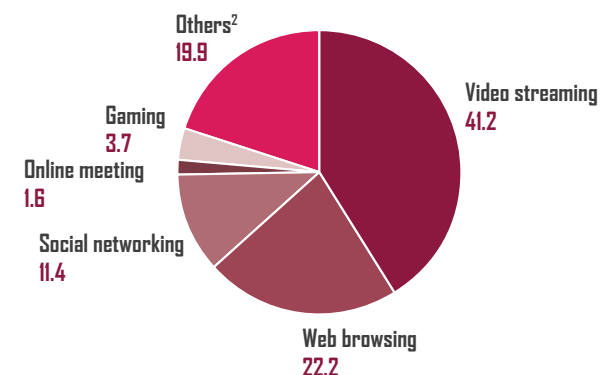


Fixed-broadband traffic

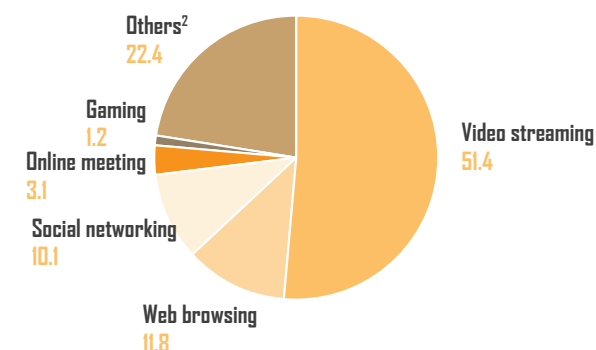


Mobile-broadband traffic

Fixed-broadband traffic by segment (%)



Mobile-broadband traffic by segment (%)



Note:

1. 1 Exabyte = 1,000,000,000 Gigabyte

2. Others refers to other traffic that excludes services namely video streaming, web browsing, social networking, online meeting and gaming

Mobile-cellular

Postpaid subscriptions ('000)

14,178.6

3Q 2021: 13,962.5



Prepaid subscriptions ('000)

33,023.0

3Q 2021: 32,444.5



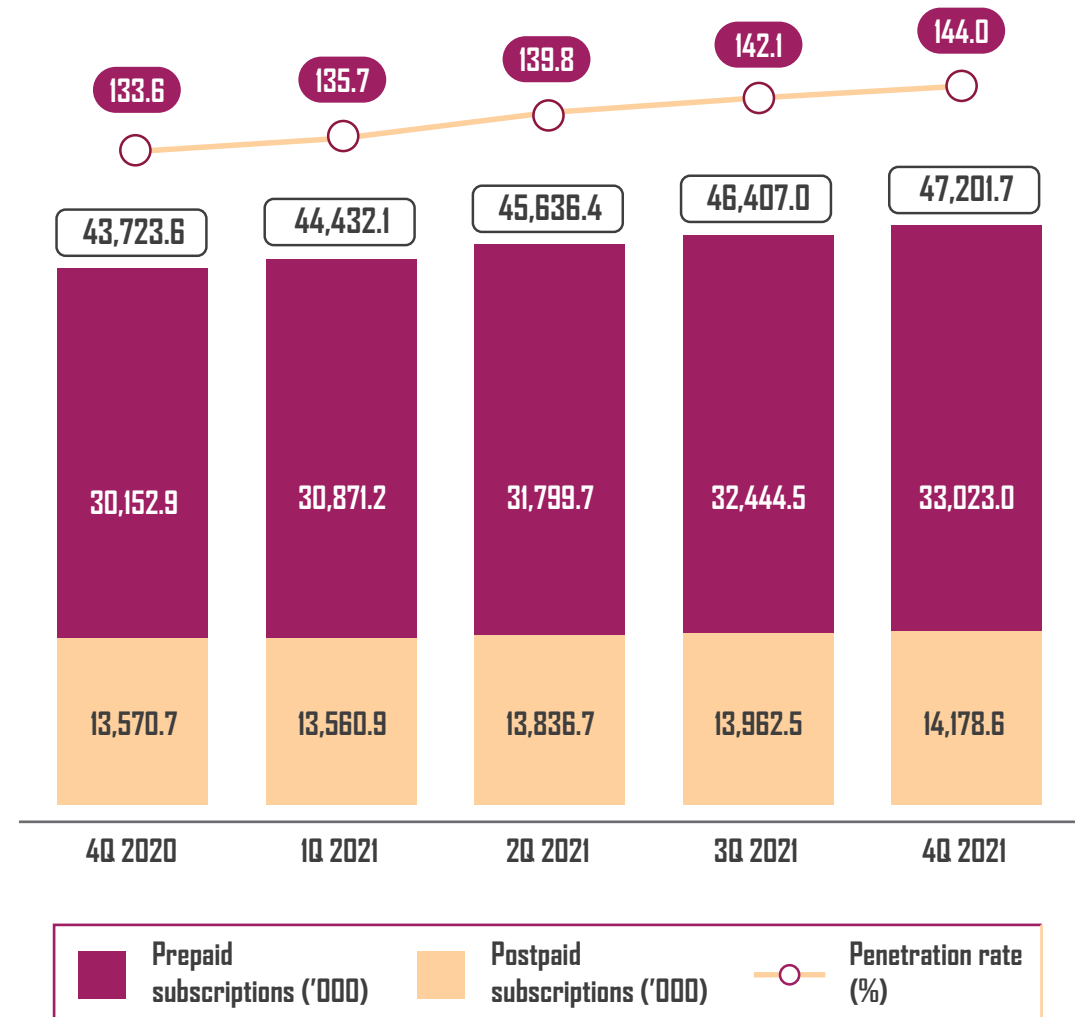
Total SMS (million)

710.5

3Q 2021: 734.2

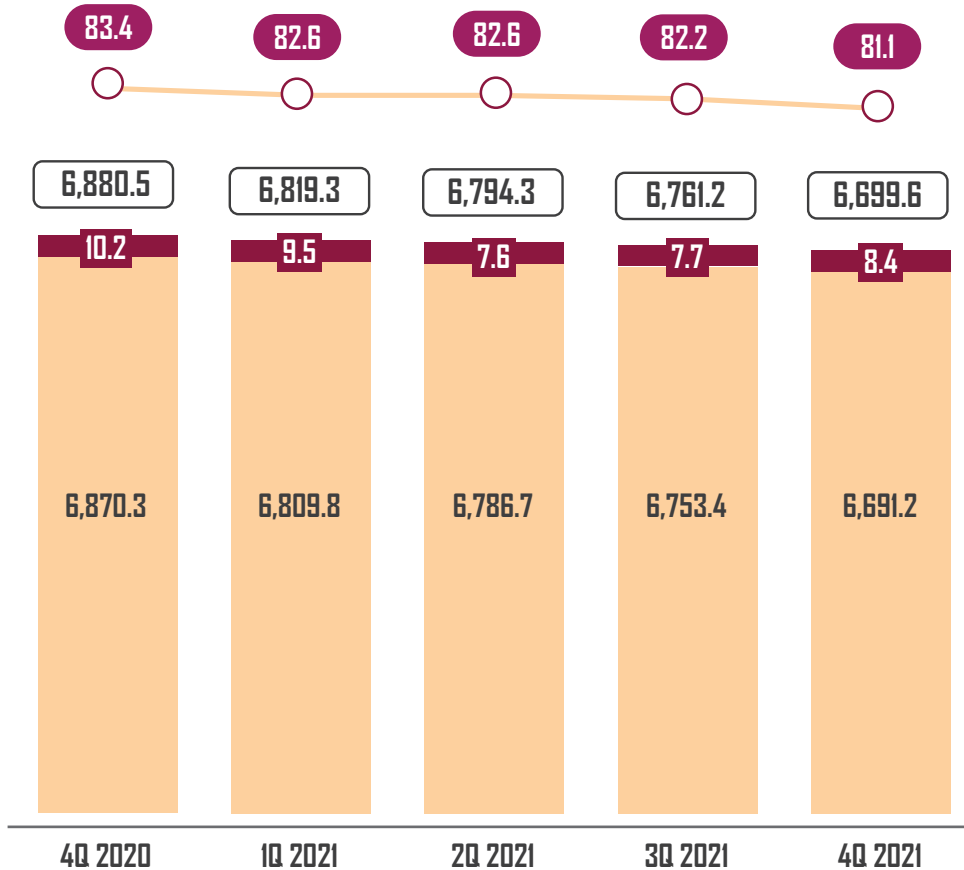


Subscriptions and penetration rate per 100 inhabitants

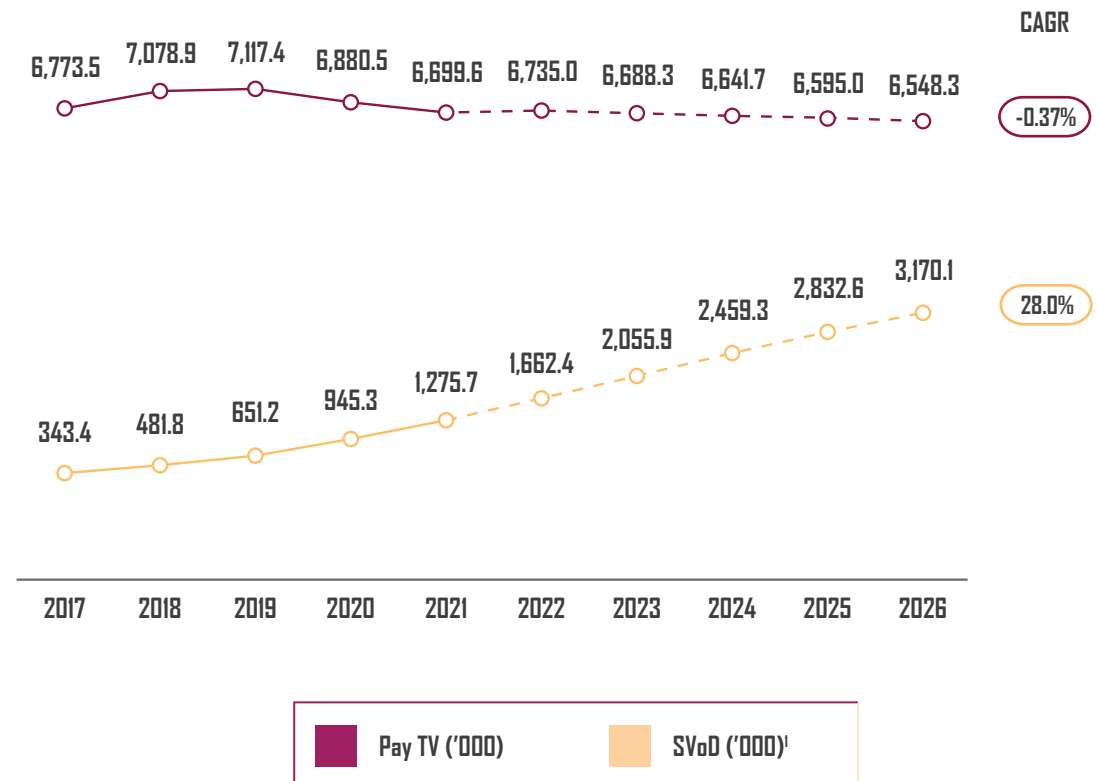


Pay TV

Subscriptions and penetration rate per 100 households



Subscriptions of pay TV and video on demand (SVoD) forecast (2017 - 2026)

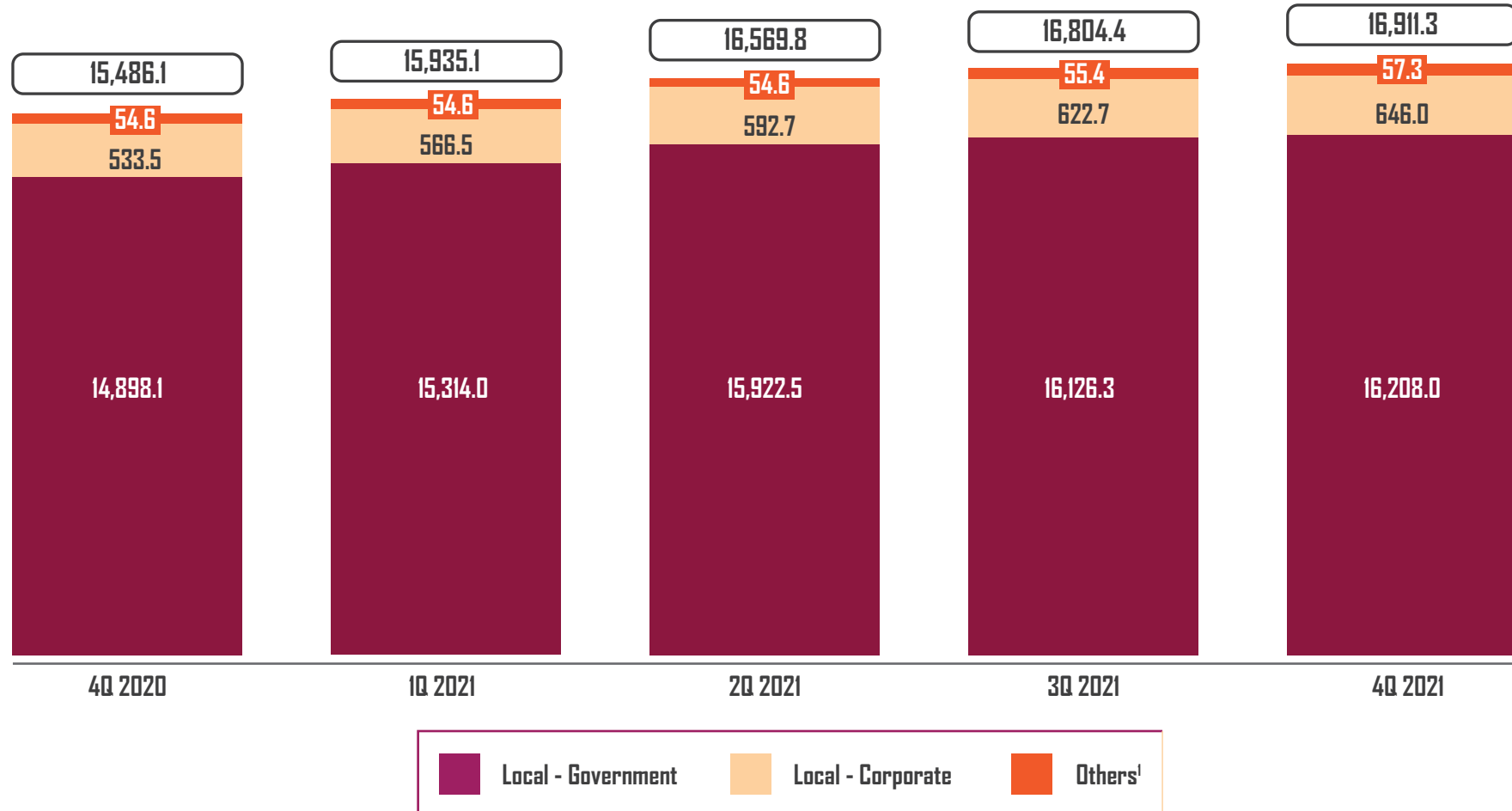


Notes:

- Source: GlobalData, 9 November 2021 – Malaysia Subscription Video On Demand (SVoD) Forecast
- Subscriptions Video on Demand (SVoD) refer to paid subscriptions for video streaming over the Internet. Also known as OTT video
- Solid lines indicate actual figures and dashed lines indicate forecasted figures
- CAGR refers to Compound Annual Growth Rate

Digital Signature

Number of certificates issued by type ('000)



Note:

1. Others includes Local - Individual, Foreign - Corporate, and Foreign - Government

Notes:

1. All penetration rates are estimated based on population projection as at end of period according to Census 2010 by Department of Statistics, Malaysia (DOSM), except for 4Q 2021, the population figure is estimated using MCMC internal estimation
2. Broadband penetration rate is calculated based on fixed-broadband subscriptions with speed equal or more than 1Mbit/s, and mobile-broadband with speed equal or more than 650kbit/s
3. Fixed-broadband penetration rate per 100 premises includes household and non-household subscriptions. Household subscriptions cover residential whereas non-household subscriptions inclusive of businesses, government, organization etc.
4. Commencing 1Q 2021, methodology to calculate total number of premises is revised by including total number of commercial and industrial premises from National Property Information Centre (NAPIC) and public facilities from DOSM
5. Revised figures are underlined

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