**Communications & Multimedia**

**Facts & Figures**

**Penetration rates (%)**

<table>
<thead>
<tr>
<th>Service</th>
<th>Rate 2022</th>
<th>4Q 2021:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed-broadband¹</td>
<td>41.9</td>
<td>40.8</td>
</tr>
<tr>
<td>Mobile-broadband²</td>
<td>124.1</td>
<td>126.4</td>
</tr>
<tr>
<td>Mobile-cellular²</td>
<td>139.2</td>
<td>142.1</td>
</tr>
<tr>
<td>Pay TV³</td>
<td>78.4</td>
<td>80.0</td>
</tr>
</tbody>
</table>

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)**

- **45,295.2**
  - 4Q 2021: **45,743.5**

**Fixed-broadband subscriptions (’000)**

- **3,847.3**
  - 4Q 2021: **3,727.4**

**Mobile-broadband subscriptions (’000)**

- **41,447.9**
  - 4Q 2021: **42,016.1**

Subscriptions by premise, household and non-household.

Subscriptions by individual.
Broadband penetration rates by state (%)

Perlis
FBB: 27.3 | 4Q 2021: 26.3
MBB: 118.8 | 4Q 2021: 119.4

Kedah
FBB: 29.2 | 4Q 2021: 27.9
MBB: 111.3 | 4Q 2021: 114.4

Kelantan
FBB: 18.0 | 4Q 2021: 16.9
MBB: 107.3 | 4Q 2021: 110.4

Terengganu
FBB: 28.2 | 4Q 2021: 26.9
MBB: 107.9 | 4Q 2021: 113.3

Pulau Pinang
FBB: 51.2 | 4Q 2021: 49.5
MBB: 152.6 | 4Q 2021: 153.8

Perak
FBB: 36.3 | 4Q 2021: 34.7
MBB: 121.8 | 4Q 2021: 122.8

Pahang
FBB: 26.1 | 4Q 2021: 25.1
MBB: 115.9 | 4Q 2021: 117.6

Selangor
FBB: 54.3 | 4Q 2021: 53.0
MBB: 115.6 | 4Q 2021: 117.5

Sarawak
FBB: 30.3 | 4Q 2021: 29.5
MBB: 112.8 | 4Q 2021: 115.5

Negeri Sembilan
FBB: 40.3 | 4Q 2021: 38.6
MBB: 140.6 | 4Q 2021: 143.4

Melaka
FBB: 41.6 | 4Q 2021: 40.1
MBB: 115.0 | 4Q 2021: 118.4

Johor
FBB: 36.8 | 4Q 2021: 35.9
MBB: 128.5 | 4Q 2021: 133.3

WP Kuala Lumpur
FBB: 58.1 | 4Q 2021: 60.4
MBB: 230.1 | 4Q 2021: 233.8

WP Putrajaya
FBB: 52.5 | 4Q 2021: 51.8
MBB: 84.5 | 4Q 2021: 80.2

WP Labuan
FBB: 37.1 | 4Q 2021: 35.9
MBB: 99.6 | 4Q 2021: 100.1

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

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<table>
<thead>
<tr>
<th>State</th>
<th>FBB ('000)</th>
<th>MBB ('000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Johor</td>
<td>461.3</td>
<td>5,131.2</td>
</tr>
<tr>
<td>Kedah</td>
<td>164.5</td>
<td>2,424.6</td>
</tr>
<tr>
<td>Kelantan</td>
<td>70.5</td>
<td>2,066.9</td>
</tr>
<tr>
<td>Melaka</td>
<td>124.8</td>
<td>1,141.4</td>
</tr>
<tr>
<td>Negeri Sembilan</td>
<td>139.2</td>
<td>1,646.8</td>
</tr>
<tr>
<td>Pahang</td>
<td>103.1</td>
<td>1,918.9</td>
</tr>
<tr>
<td>Perak</td>
<td>262.1</td>
<td>3,017.2</td>
</tr>
<tr>
<td>Perlis</td>
<td>18.9</td>
<td>315.8</td>
</tr>
<tr>
<td>Pulau Pinang</td>
<td>291.1</td>
<td>2,710.4</td>
</tr>
<tr>
<td>Sarawak</td>
<td>221.5</td>
<td>3,149.2</td>
</tr>
<tr>
<td>Sabah</td>
<td>166.7</td>
<td>3,477.5</td>
</tr>
<tr>
<td>Selangor</td>
<td>1,306.3</td>
<td>8,272.7</td>
</tr>
<tr>
<td>Terengganu</td>
<td>79.8</td>
<td>1,372.9</td>
</tr>
<tr>
<td>Wilayah Persekutuan</td>
<td>437.4</td>
<td>4,451.3</td>
</tr>
</tbody>
</table>

**Note:**
1. Wilayah Persekutuan is inclusive of Wilayah Persekutuan Kuala Lumpur, Wilayah Persekutuan Labuan and Wilayah Persekutuan Putrajaya

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**Legend:**
- FBB: Fixed-broadband
- MBB: Mobile-broadband
Fixed-broadband subscriptions by speed range ('000)

Note:
1. Each speed range includes the lower bound speed.
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

Fixed-broadband traffic by segment (%)
- Video streaming: 44.0%
- Web browsing: 20.6%
- Social networking: 10.3%
- Online meeting: 2.1%
- Gaming: 3.3%
- Others: 19.7%

Mobile-broadband traffic by segment (%)
- Video streaming: 51.0%
- Web browsing: 19.1%
- Social networking: 10.2%
- Online meeting: 3.8%
- Gaming: 2.0%
- Others: 13.8%
Mobile-cellular

Postpaid subscriptions (‘000)
14,170.9
4Q 2021: 14,178.6

Prepaid subscriptions (‘000)
32,500.4
4Q 2021: 33,023.0

Total SMS (million)
633.9
4Q 2021: 710.5

Subscriptions and penetration rate per 100 inhabitants

- Postpaid subscriptions (‘000)
- Prepaid subscriptions (‘000)
- Penetration rate (%)

<table>
<thead>
<tr>
<th>Quarter</th>
<th>Postpaid Subscriptions</th>
<th>Prepaid Subscriptions</th>
<th>Penetration Rate (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1Q 2021</td>
<td>13,560.9</td>
<td>30,837.1</td>
<td>135.7</td>
</tr>
<tr>
<td>2Q 2021</td>
<td>13,836.7</td>
<td>31,259.0</td>
<td>139.8</td>
</tr>
<tr>
<td>3Q 2021</td>
<td>13,962.5</td>
<td>30,152.9</td>
<td>142.1</td>
</tr>
<tr>
<td>4Q 2021</td>
<td>14,178.6</td>
<td>30,871.2</td>
<td>142.1</td>
</tr>
<tr>
<td>1Q 2022</td>
<td>14,170.9</td>
<td>31,799.7</td>
<td>139.2</td>
</tr>
</tbody>
</table>
Pay TV

Subscriptions and penetration rate per 100 households

<table>
<thead>
<tr>
<th></th>
<th>Households ('000)</th>
<th>Non-households ('000)</th>
<th>Penetration rate (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1Q 2021</td>
<td>6,819.3</td>
<td>6,809.8</td>
<td>82.6</td>
</tr>
<tr>
<td>2Q 2021</td>
<td>6,794.3</td>
<td>6,786.7</td>
<td>82.6</td>
</tr>
<tr>
<td>3Q 2021</td>
<td>6,761.2</td>
<td>6,753.4</td>
<td>82.2</td>
</tr>
<tr>
<td>4Q 2021</td>
<td>6,699.6</td>
<td>6,691.2</td>
<td>80.0</td>
</tr>
<tr>
<td>1Q 2022</td>
<td>6,628.8</td>
<td>6,620.5</td>
<td>78.4</td>
</tr>
</tbody>
</table>

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 and 1Q 2022, 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

For further inquiries please contact Statistics and Data Intelligence Department MCMC at, statistics@mcmc.gov.my

Digital Signature

Number of certificates issued by type ('000)

<table>
<thead>
<tr>
<th></th>
<th>Local - Government</th>
<th>Local - Corporate</th>
<th>Others'</th>
</tr>
</thead>
<tbody>
<tr>
<td>1Q 2021</td>
<td>15,935.1</td>
<td>54.6</td>
<td>597.1</td>
</tr>
<tr>
<td>2Q 2021</td>
<td>16,569.8</td>
<td>582.7</td>
<td>674.8</td>
</tr>
<tr>
<td>3Q 2021</td>
<td>16,804.4</td>
<td>622.7</td>
<td>54.6</td>
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<tr>
<td>4Q 2021</td>
<td>16,911.3</td>
<td>646.0</td>
<td>55.4</td>
</tr>
<tr>
<td>1Q 2022</td>
<td>17,472.7</td>
<td>674.8</td>
<td>57.3</td>
</tr>
</tbody>
</table>

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

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