**Penetration Rates (%)**

**Broadband**
- **4Q 2019**: 131.7%
  - **3Q 2019**: 129.4%

**Mobile-cellular**
- **4Q 2019**: 135.4%
  - **3Q 2019**: 134.2%

**Pay TV**
- **4Q 2019**: 86.4%
  - **3Q 2019**: 85.9%

**Fixed-telephone**
- **4Q 2019**: 19.7%
  - **3Q 2019**: 19.6%

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**Note:**
1. Broadband, Mobile-cellular and Fixed-telephone refer to penetration rate per 100 inhabitants.
2. Pay TV refers to penetration rate per 100 households.

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**Broadband**

<table>
<thead>
<tr>
<th>Fixed-broadband Subscriptions ('000)</th>
<th>Mobile-broadband Subscriptions ('000)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2,947.0</strong></td>
<td><strong>40,430.9</strong></td>
</tr>
<tr>
<td><strong>3Q 2019: 2,707.2</strong></td>
<td><strong>3Q 2019: 39,796.0</strong></td>
</tr>
</tbody>
</table>

---

**Subscriptions and Penetration Rate per 100 Inhabitants**

- **2016**: 2,490.8
- **2017**: 2,588.4
- **2018**: 2,655.4
- **1Q 2019**: 2,657.6
- **2Q 2019**: 2,668.8
- **3Q 2019**: 2,707.2
- **4Q 2019**: 2,947.0
4Q 2019: 131.7 (National)
3Q 2019: 129.4 (National)
### Broadband Internet Traffic (exabytes)

<table>
<thead>
<tr>
<th>Quarter</th>
<th>Fixed-broadband Internet traffic</th>
<th>Mobile-broadband Internet traffic (within country)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4Q 2017</td>
<td>4.33</td>
<td></td>
</tr>
<tr>
<td>4Q 2018</td>
<td>4.90</td>
<td></td>
</tr>
<tr>
<td>4Q 2019</td>
<td>5.42</td>
<td></td>
</tr>
</tbody>
</table>

### Broadband Speed

#### Fixed-broadband Average Download Speed by ASEAN and Selected Countries (Mbps), December 2019

- **1.** Singapore: **200.12**
- **2.** Hong Kong (SAR): **164.88**
- **5.** South Korea: **144.41**
- **8.** Taiwan: **137.90**
- **13.** Thailand: **125.12**
- **24.** Japan: **104.58**
- **30.** UAE: **90.57**
- **37.** Malaysia: **78.03**
- **63.** Vietnam: **43.26**
- **75.** Laos: **34.48**
- **100.** Philippines: **25.55**
- **114.** Brunei: **23.86**
- **115.** Cambodia: **20.98**
- **118.** Indonesia: **20.11**
- **120.** Myanmar: **18.90**

**Legend:**
- # Ranking

*Data as at 31 December 2019*

Source: Speedtest Global Index

#### Note:
1. Malaysia rank #37 worldwide
2. Malaysia rank #3 among ASEAN

### Mobile-broadband Average Download Speed by ASEAN and Selected Countries (Mbps), December 2019

- **1.** South Korea: **103.18**
- **2.** UAE: **86.77**
- **12.** Singapore: **57.16**
- **30.** Taiwan: **45.58**
- **44.** Hong Kong (SAR): **36.53**
- **56.** Japan: **32.95**
- **61.** Vietnam: **30.39**
- **71.** Thailand: **25.98**
- **72.** Laos: **25.54**
- **79.** Brunei: **24.35**
- **81.** Myanmar: **23.86**
- **83.** Malaysia: **23.80**
- **110.** Philippines: **16.76**
- **116.** Cambodia: **15.22**
- **120.** Indonesia: **13.83**

**Legend:**
- # Ranking

*Data as at 31 December 2019*

Source: Speedtest Global Index

#### Note:
1. Malaysia rank #83 worldwide
2. Malaysia rank #7 among ASEAN
Fixed-telephone Subscriptions ('000)

6,474.4  3Q 2019: 6,448.6

Total DEL Subscriptions ('000)

2,199.3  3Q 2019: 2,277.3

DEL Penetration Rate per 100 Inhabitants

6.7%  3Q 2019: 6.9%

Subscriptions and Penetration Rate per 100 Inhabitants

Analogue fixed-telephone line (DEL) ('000)

Voice-over-IP (VoIP) ('000)

Fixed wireless local loop (WLL) ('000)

ISDN voice-channel equivalents ('000)

Public payphone ('000)

Fixed telephone penetration rate per 100 inhabitants (%)

1. All penetration rates in this publication are estimated based on population projection as at end of period according to Census 2010 by Department of Statistics, Malaysia (DOSM).
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.

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