



# Barometer of fixed Internet connections in Croatia

01/01/2025 - 12/31/2025



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nPerf Network  
assessment

### Expert in the telecom network optimization

nPerf is an independent French company based in Lyon (France). For over a decade, nPerf has been a trusted partner for both fixed and mobile operators, providing comprehensive network testing solutions and analysis. Our mission is to accurately measure, evaluate, and enhance the understanding of Internet connectivity around the world.



**300k+** tests daily  
worldwide.



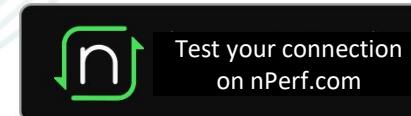
**26Md+** coverage  
scans in total.



**3k+** servers all  
around the world.

### Test your Internet connection with nPerf!

nPerf allows you to test the quality of your fixed, mobile, or Wi-Fi Internet connections up to 10 Gb/s! Download our app or visit our website!



## 2. Executive Summary



The subscribers of A1 enjoyed the best Fixed Internet performances in 2025 in Croatia.

Fixed Internet performance in Croatia

	<b>A1</b>	<b>Hrvatski Telekom</b>	<b>Iskon</b>	<b>Telemach</b>
▼ Download bitrates (Mb/s)	<b>170.05</b>	<b>124.83</b>	<b>70.21</b>	<b>128.24</b>
▲ Upload bitrates (Mb/s)	<b>84.47</b>	<b>78.52</b>	<b>37.25</b>	<b>88.13</b>
◀▶ Latency (ms)	<b>15.77</b>	<b>24.59</b>	<b>25.38</b>	<b>38.77</b>
🌐 Web browsing (%)	<b>63.26</b>	<b>60.40</b>	<b>59.86</b>	<b>53.41</b>
▢Youtube streaming (%)	<b>83.36</b>	<b>82.29</b>	<b>80.74</b>	<b>78.67</b>
▫ nPerf Score (nPoints)	<b>112 607</b>	<b>100 172</b>	<b>87 782</b>	<b>87 885</b>

Source : nPerf.com

**A1**  
Best Fixed Internet performance  
in 2025



Source : nPerf.com



Source : nPerf.com

The subscribers of A1 enjoyed the best WIFI Internet in 2025 in Croatia.

#### Fixed Internet performance in Croatia

	A1	Hrvatski Telekom	Iskon	Telemach
⬇️ Download bitrates (Mb/s)	<b>151.91</b>	<b>106.87</b>	<b>61.58</b>	<b>106.86</b>
⬆️ Upload bitrates (Mb/s)	<b>79.37</b>	<b>68.20</b>	<b>29.38</b>	<b>88.21</b>
◀▶ Latency (ms)	<b>17.59</b>	<b>25.58</b>	<b>29.37</b>	<b>39.02</b>
🌐 Web browsing (%)	<b>63.46</b>	<b>60.94</b>	<b>59.80</b>	<b>56.51</b>
🎥 Youtube streaming (%)	<b>83.44</b>	<b>82.68</b>	<b>80.79</b>	<b>78.40</b>
 nPerf Score (nPoints)	<b>109 894</b>	<b>97 724</b>	<b>83 026</b>	<b>87 752</b>

Source : nPerf.com

The subscribers of A1, Hrvatski Telekom and Telemach enjoyed the best FTTH Internet in 2025 in Croatia.

#### Fixed Internet performance in Croatia

	<u>A1</u>	<u>Hrvatski Telekom</u>	<u>Iskon</u>	<u>Telemach</u>
⬇️ Download bitrates (Mb/s)	<b>342.20</b>	<b>376.20</b>	<b>241.96</b>	<b>447.98</b>
⬆️ Upload bitrates (Mb/s)	<b>248.47</b>	<b>254.17</b>	<b>155.46</b>	<b>401.06</b>
◀▶ Latency (ms)	<b>9.41</b>	<b>14.33</b>	<b>14.42</b>	<b>21.84</b>
🌐 Web browsing (%)	<b>70.67</b>	<b>73.09</b>	<b>72.18</b>	<b>74.04</b>
🎥 Youtube streaming (%)	<b>85.38</b>	<b>88.52</b>	<b>86.00</b>	<b>87.94</b>



nPerf Score (nPoints)

**139 631**

**142 339**

**130 690**

**142 200**

Source : nPerf.com

The Croatian fixed-line Internet sector records an average score of 97,112 nPoints. A1 establishes itself as leader with 112,607 nPoints and dominates in Download speed, Latency, Browsing and Video streaming. The sector is characterized by strong competition in Upload speed and ex-aequo positioning in FTTH technology among the three main operators.

#### A1: consolidated leadership

A1 claims the top position with 112,607 nPoints and dominates in WiFi technology. The operator achieves the best Download speed in the sector with 170.05 Mbps, ideal for HD streaming. It displays the lowest Latency at 15.77 ms, ensuring responsive online gaming and real-time communications. Leading in Browsing (63.26%) and Video streaming (83.36%), A1 delivers a balanced user experience. The operator ranks second in Upload speed with 84.47 Mbps, supporting quality video conferencing.

#### Hrvatski Telekom: competitive performances

Hrvatski Telekom ranks second with 100,172 nPoints and shares first place ex-aequo in FTTH technology alongside A1 and Telemach. The operator achieves solid performances in Video streaming (82.29%, 2nd

place) and Browsing (60.40%, 2nd place).

#### Telemach: optimal Upload speed

Telemach ranks third with 87,885 nPoints and shares first place ex-aequo in FTTH technology. The operator dominates Upload speed with 88.13 Mbps, guaranteeing quality content sharing. It displays competitive Download speed at 128.24 Mbps (2nd place).

#### Iskon: a strong progression

Iskon ranks fourth with 87,782 nPoints and records a strong progression of 5.0%. The operator achieves solid performances in Video streaming (80.74%, 3rd place) and Browsing (59.86%, 3rd place).

A1 consolidates its leadership with balanced performances across all indicators. The Croatian sector displays strong competition, particularly in Upload speed where Telemach leads, and in FTTH technology where three operators share top positioning. Users benefit from increasingly competitive offerings, especially for streaming and video conferencing.

## 4. Methodology



nPerf provides a free application to assess Internet connection quality via its website and mobile apps (Android, iOS). Daily, thousands of people rely on nPerf for speed tests in their country, contributing to a comprehensive crowdsourced database covering all operators.

The study employs a strong filtering method to reflect real customer experiences on a specific network (mobile or fixed line). Measures are taken to prevent probes and measurement robots from affecting the results.

We assess:

### ▼ Download bitrate

Indicates the amount of data your connection can receive in one second from the nPerf server. The highest the measured value, the best is the bitrate of your connection.

### ▲ Upload bitrate

Indicates the amount of data your connection can send in one second to the nPerf server. The highest the measured value, the best is the bitrate of your connection.

### ↔ Latency (ping)

It indicated the delay a small packet of data requires to make a round-trip from your computer to the nPerf server. The shorter the delay, the most reactive your connection is. The mean is the minimum value.

### 🌐 Browsing performance

The browsing test assesses the load time of the fully loaded pages, including images, javascript, CSS, and fonts, for the five most popular sites. This indicator reflects the perceived quality by the user.

### ▢ Streaming performance

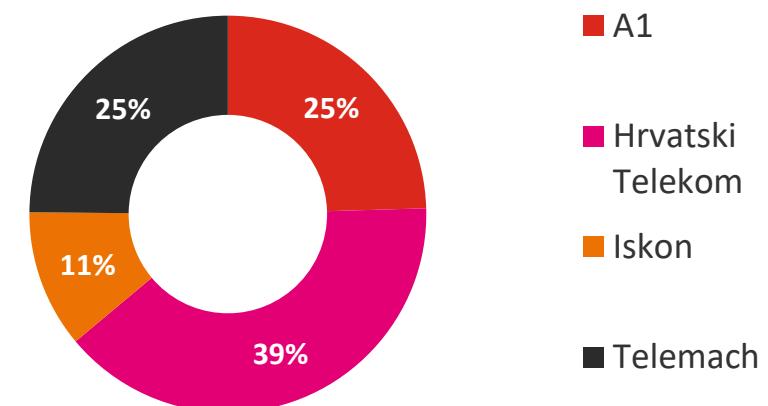
The video streaming test gauges the load time of a fully loaded video in three resolutions on YouTube, considering stalls during playback. This indicator reflects the perceived quality by the user.

Statistical precision is crucial in accurately determining winners. At nPerf, we prioritize test quality, precise reporting, and transparency. Analyzing a large volume of tests in this study, we've achieved 1.5% precision for absolute values and 1% point for percentage-based results, highlighting the reliability and accuracy of our data.

For a more comprehensive understanding of the user experience, our report features test results during both Busy hours (6 PM to 11 PM) and Idle hours (the rest of the day). Busy hours, marked by network strain, can impact user experience through congestion. This approach helps in understanding how network performance fluctuates throughout the day.

We only include national Internet service providers with test share above 5% share. The chart below shows the overall test distribution for each service provider.

Overall distribution of the tests per provider (ISPs Share)



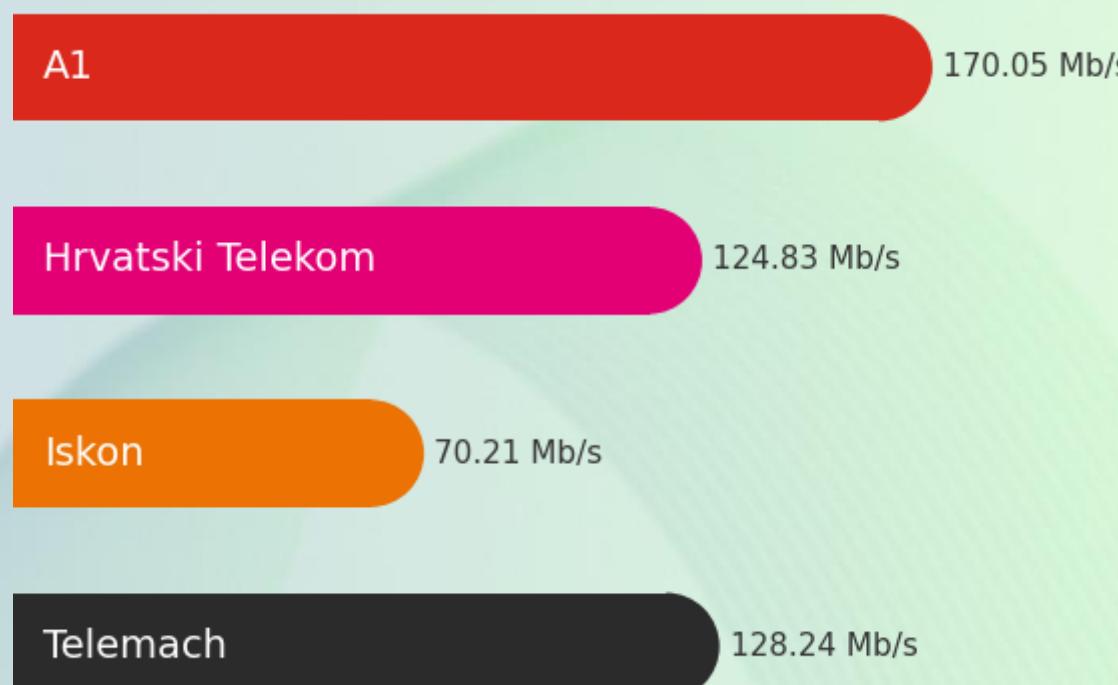
Source : nPerf.com



## Download Speed

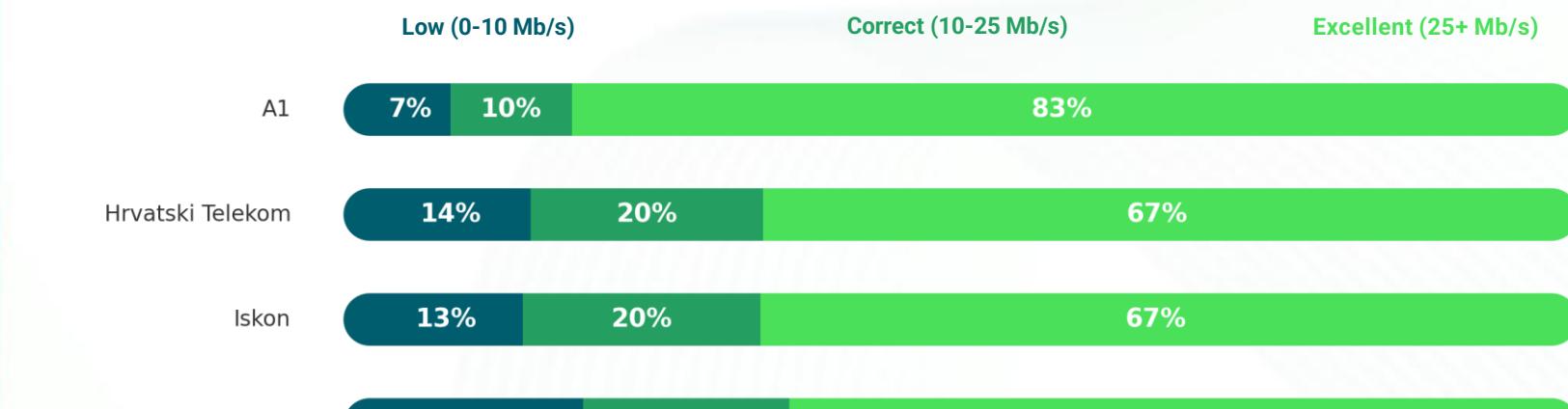


### Download Speed (average)

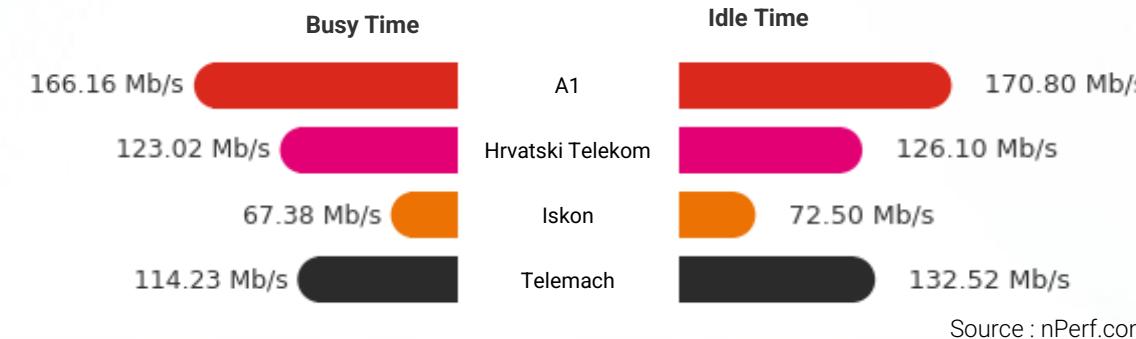


The subscribers of A1 enjoyed the best Fixed Internet Download Speed in 2025.

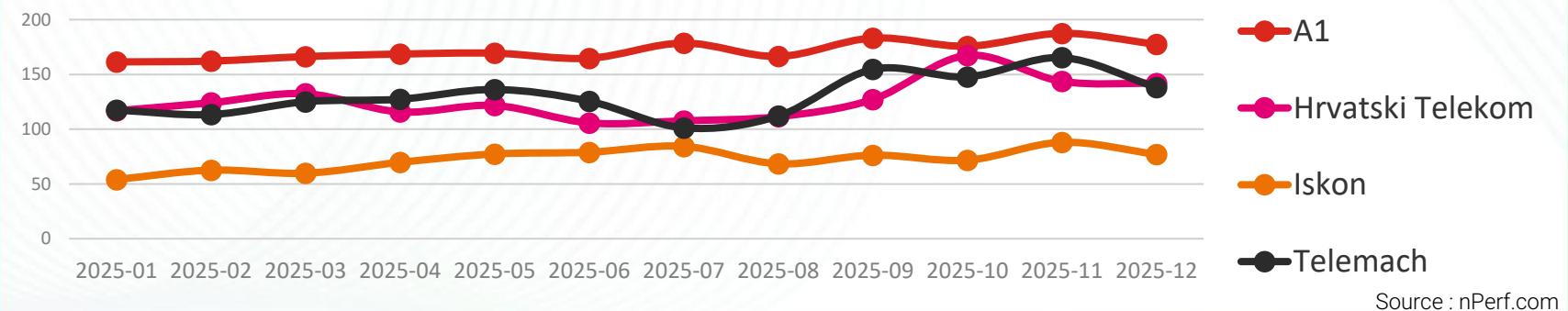
### Download Speed results ventilation (average)



### Download Speed (average)



### Download Speed evolution over the year (average)

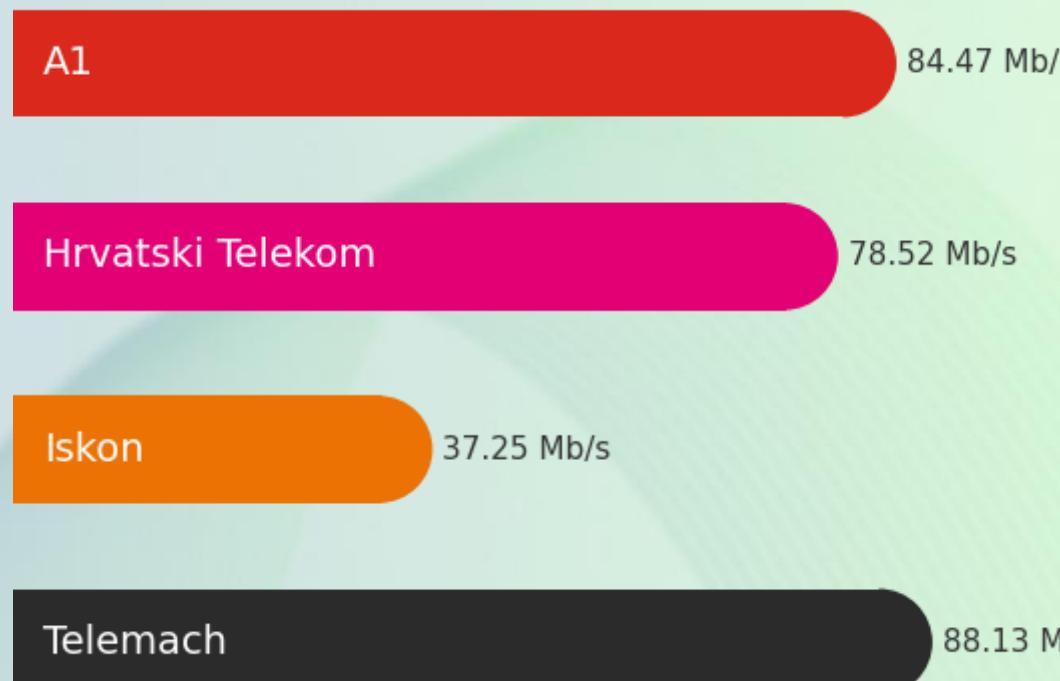




## Upload Speed

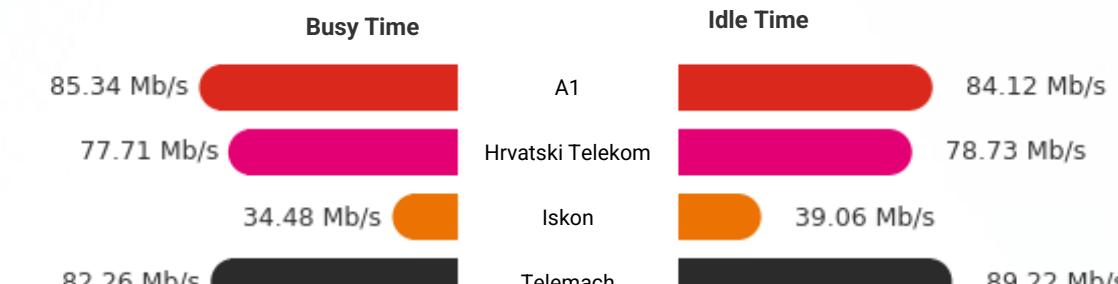


### Upload Speed (average)



Source : nPerf.com

### Upload Speed (average)



Source : nPerf.com

The subscribers of Telemach enjoyed the best Fixed Internet Upload Speed in 2025.

### Upload Speed results ventilation (average)



Source : nPerf.com

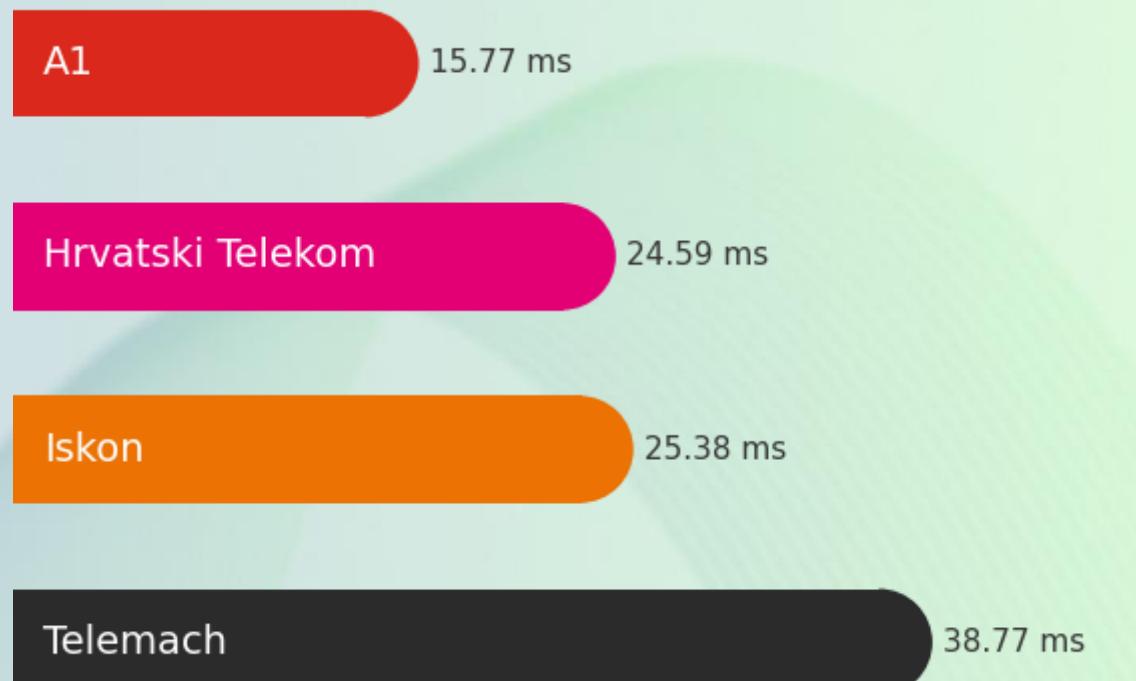
### Upload Speed evolution over the year (average)



Source : nPerf.com

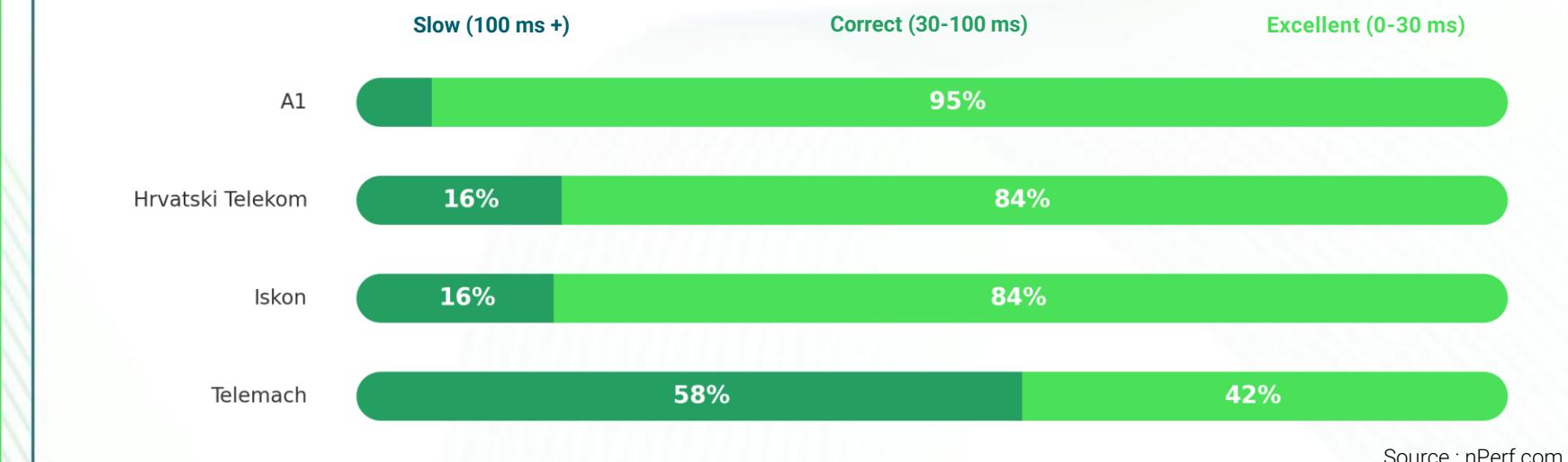


## Latency (average)

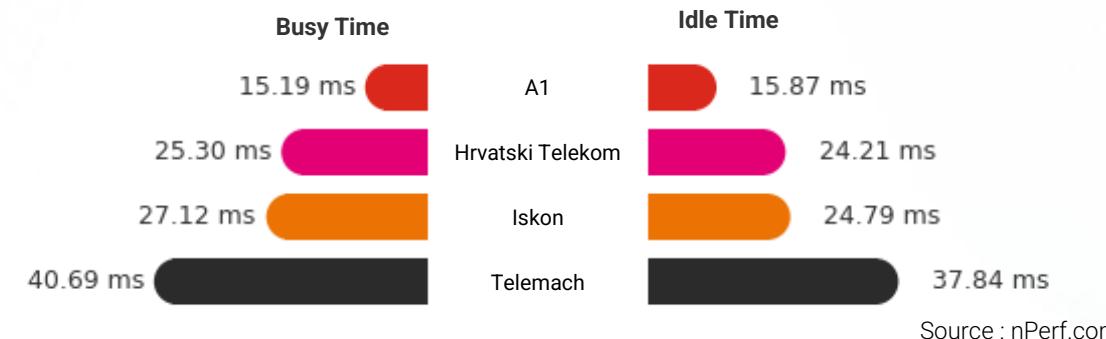


The subscribers of A1 enjoyed the best Fixed Internet Latency in 2025.

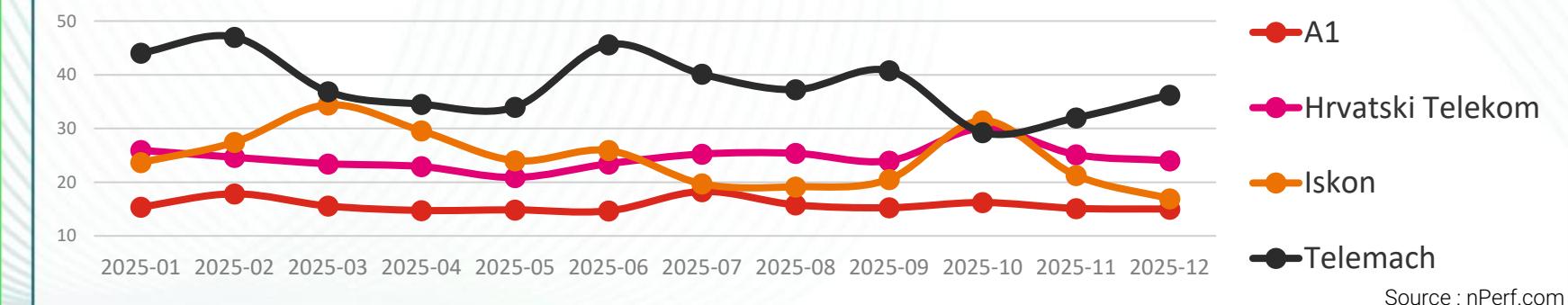
## Latency results ventilation (average)



## Latency (average)

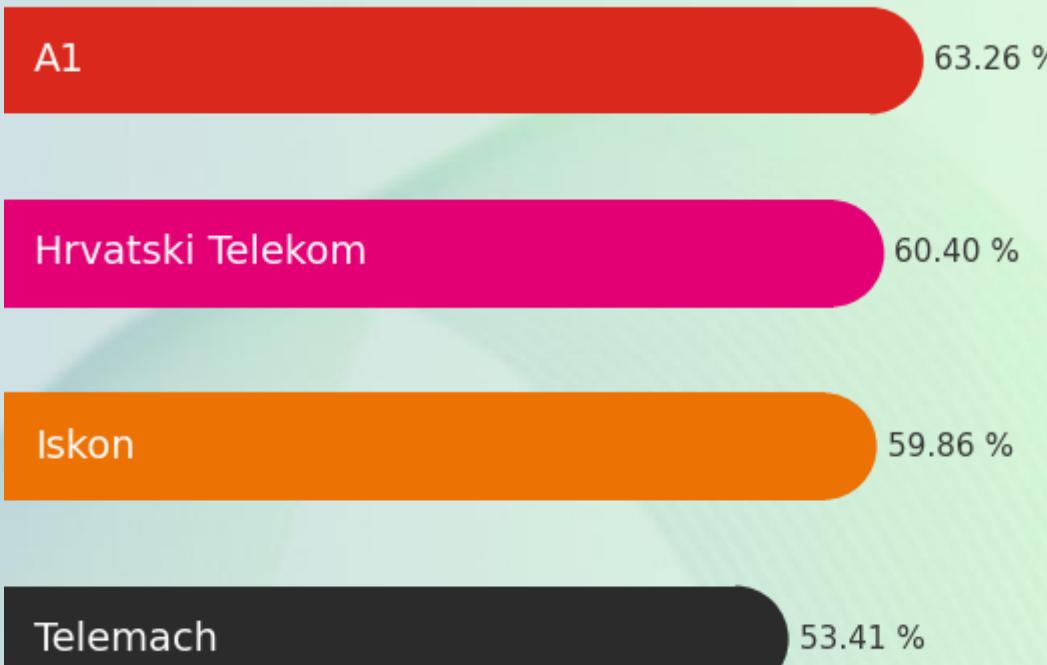


## Latency evolution over the year (average)





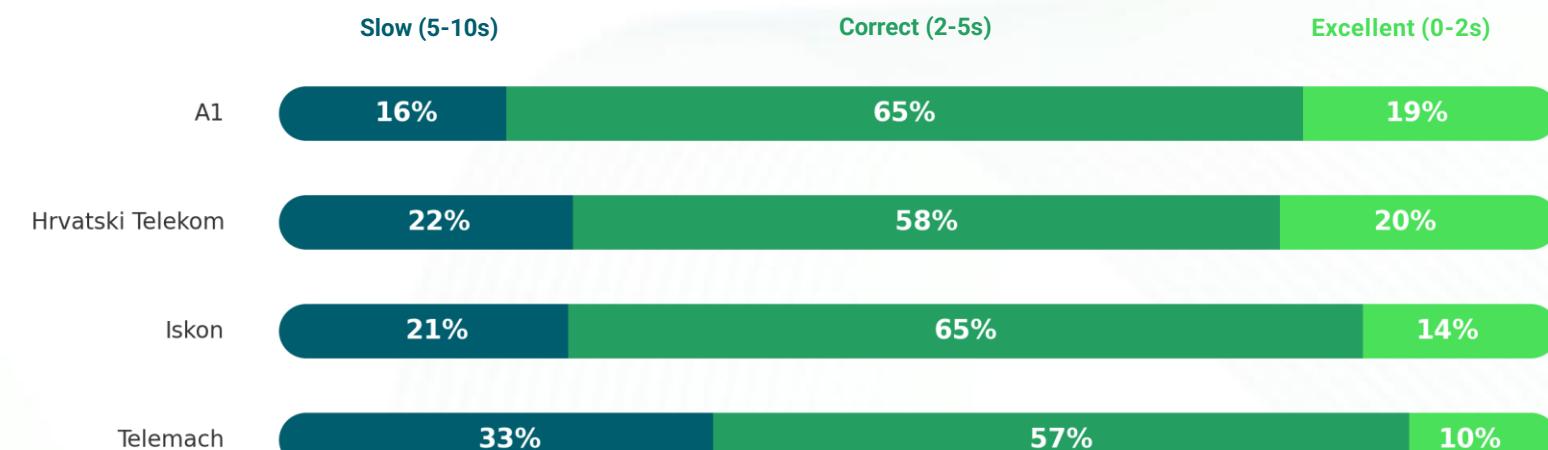
## Browsing Performance (average)



Source : nPerf.com

The subscribers of A1 enjoyed the best Fixed Internet Browsing Performance in 2025.

## Browsing Performance results ventilation (average)



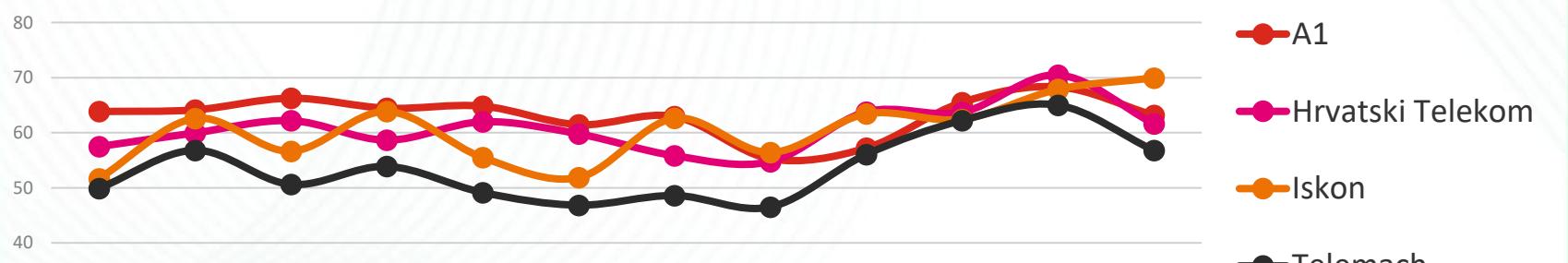
Source : nPerf.com

## Browsing Performance (average)



Source : nPerf.com

## Browsing Performance evolution over the year (average)



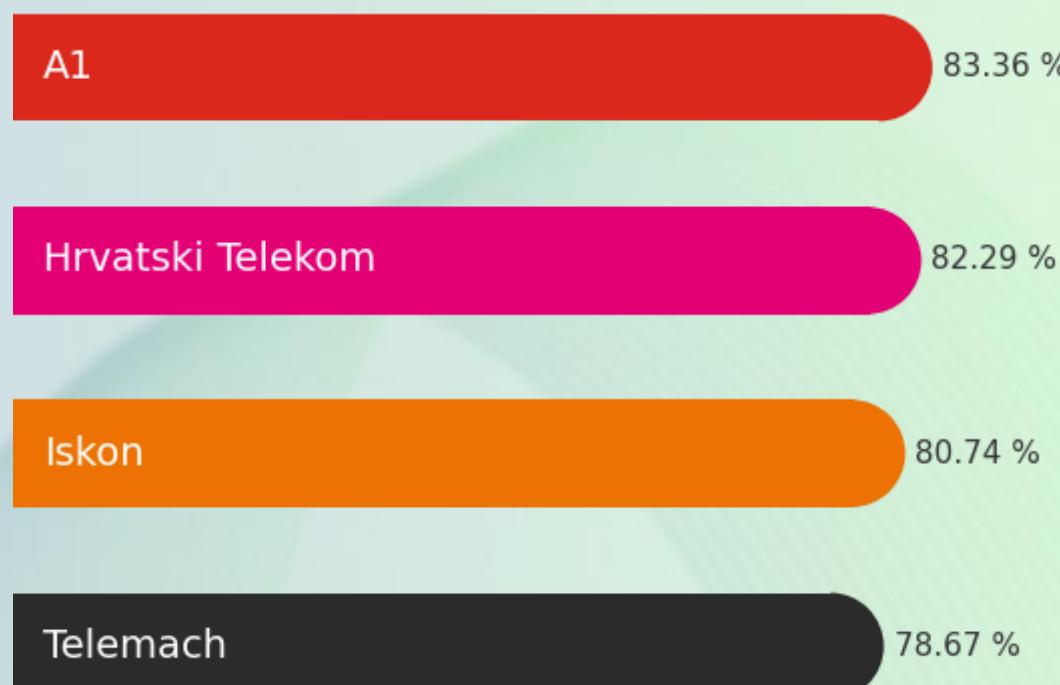
Source : nPerf.com



# Streaming Performance



## Streaming Performance (average)



Source : nPerf.com

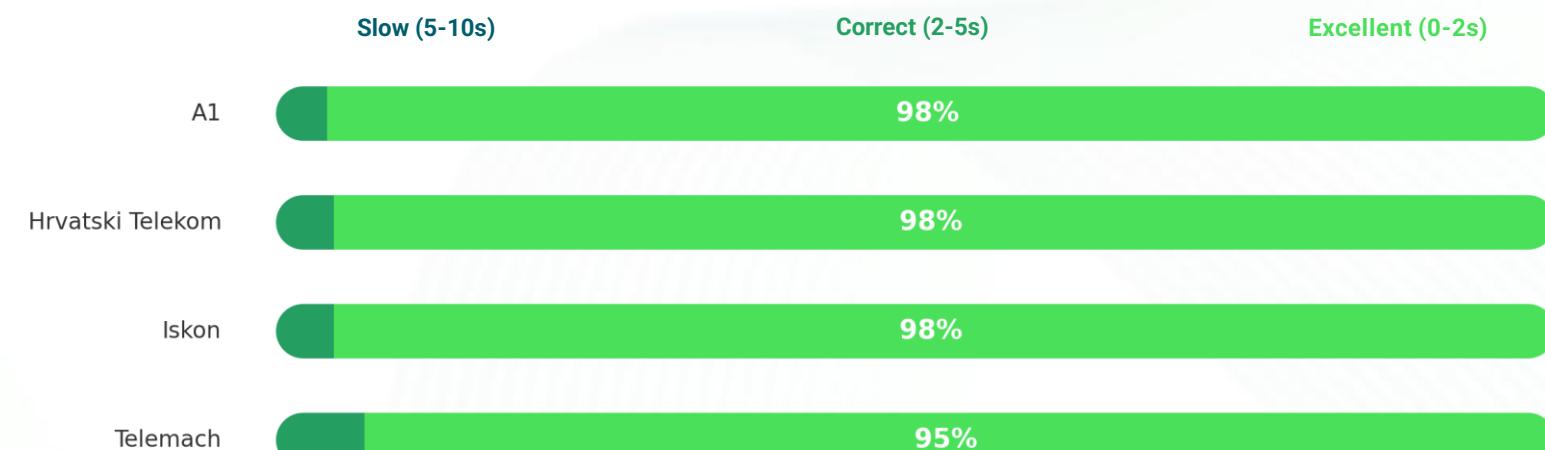
## Streaming Performance (average)



Source : nPerf.com

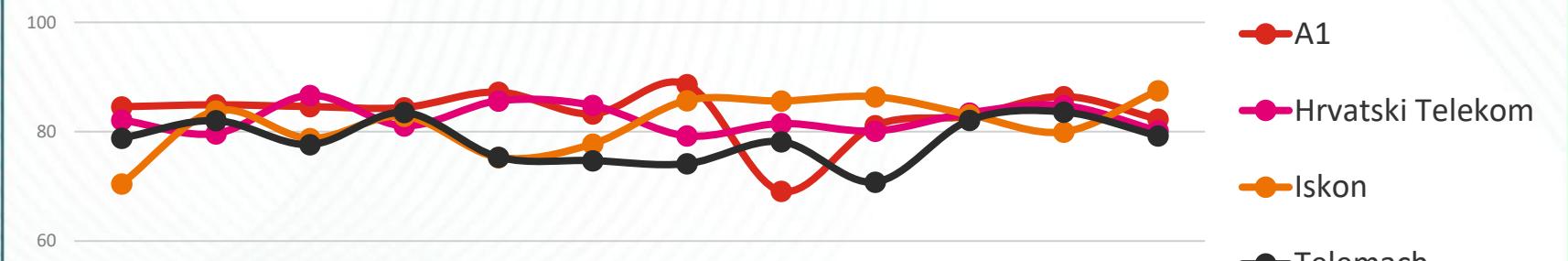
The subscribers of A1 enjoyed the best Fixed Internet Streaming Performance in 2025.

## Streaming Performance results ventilation (average)



Source : nPerf.com

## Streaming Performance evolution over the year (average)



Source : nPerf.com

**nPerf QoE nPerf Score (nPoints)**

A1

109 894

Hrvatski Telekom

97 724

Iskon

83 026

Telemach

87 752

Source : nPerf.com

The subscribers of A1 enjoyed the best WIFI Internet in 2025.

Best performances WIFI: A1

Fastest performances (Download Speed) WIFI: A1

Fastest performances (Upload Speed) WIFI: Telemach

WIFI connections with the lowest latency: A1

Best web browsing performances WIFI: A1

Best streaming performances WIFI: A1

Source : nPerf.com

A1

T

iskon.

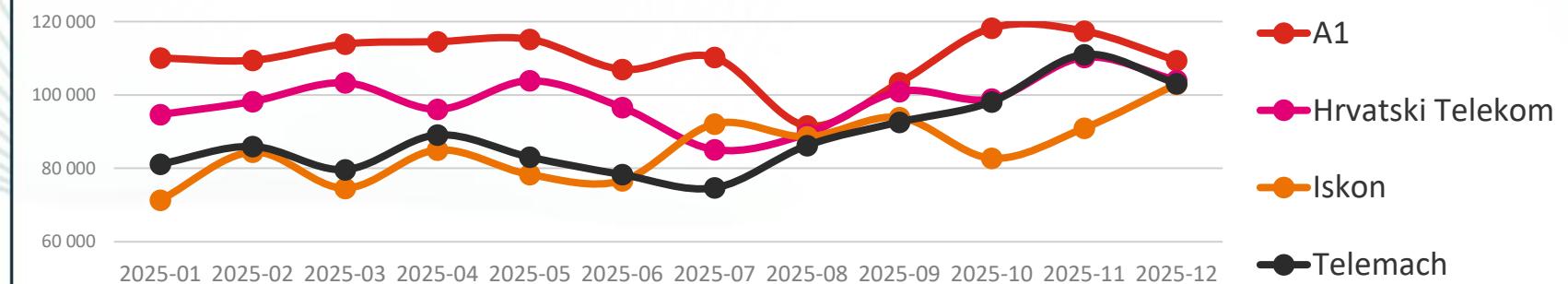
telemach

1

2

4

Source : nPerf.com

**nPerf QoE nPerf Score evolution over the year (average)**


Source : nPerf.com

**nPerf QoE nPerf Score (nPoints)**

A1

139 631

Hrvatski Telekom

142 339

Iskon

130 690

Telemach

142 200

Source : nPerf.com

The subscribers of A1, Hrvatski Telekom and Telemach enjoyed the best FTTH Internet in 2025.

Best performances FTTH: A1, Hrvatski Telekom and Telemach

Fastest performances (Download Speed) FTTH: Telemach

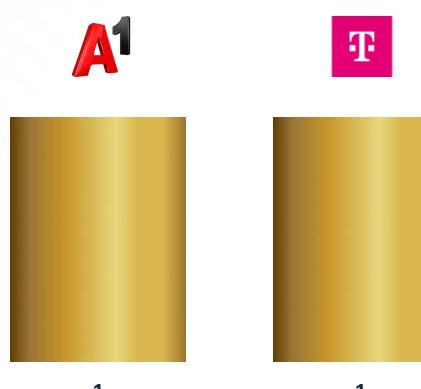
Fastest performances (Upload Speed) FTTH: Telemach

FTTH connections with the lowest latency: A1

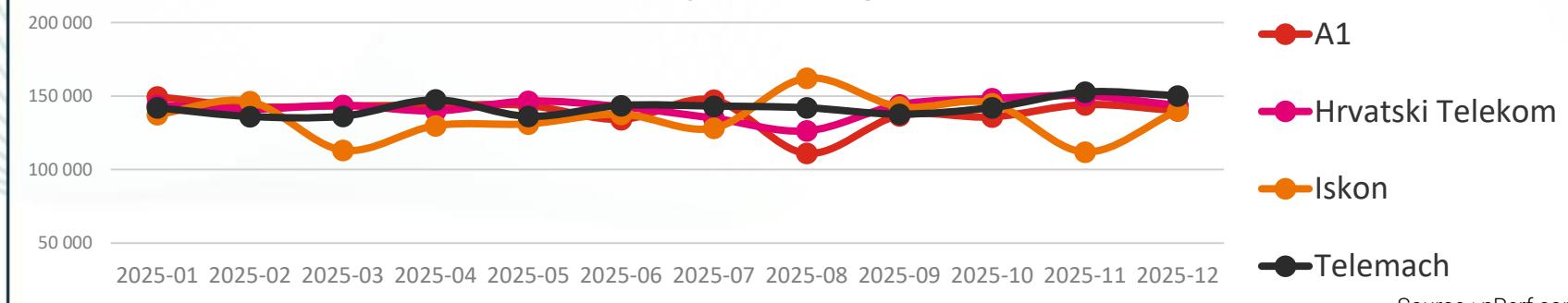
Best web browsing performances FTTH: Telemach

Best streaming performances FTTH: Hrvatski Telekom and Telemach

Source : nPerf.com



Source : nPerf.com


**nPerf QoE nPerf Score evolution over the year (average)**


nPerf Score (nPoints)

A1

112 607

Hrvatski Telekom

100 172

Iskon

87 782

Telemach

87 885

Source : nPerf.com

**A1**  
Best Fixed Internet performance in 2025



Source : nPerf.com

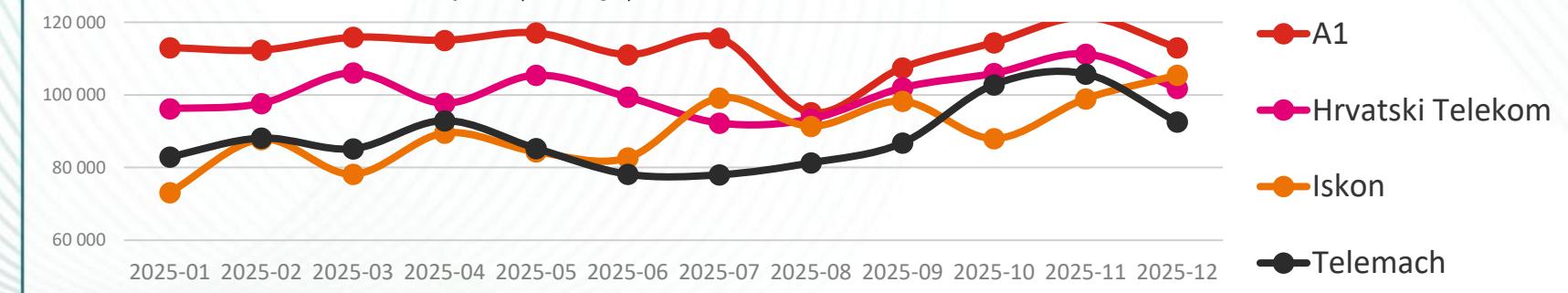
The subscribers of A1 enjoyed the best Fixed Internet performances in 2025.

The nPerf score takes into account the measured bitrates, the latency and the QoE tests.

The value of the points for the rates and the latency is calculated on a logarithmic scale, to better represent the perception of the user. Thus, this score reflects the overall quality of the connection experienced by the user.

Source : nPerf.com

nPerf Score evolution over the year (average)



Source : nPerf.com

