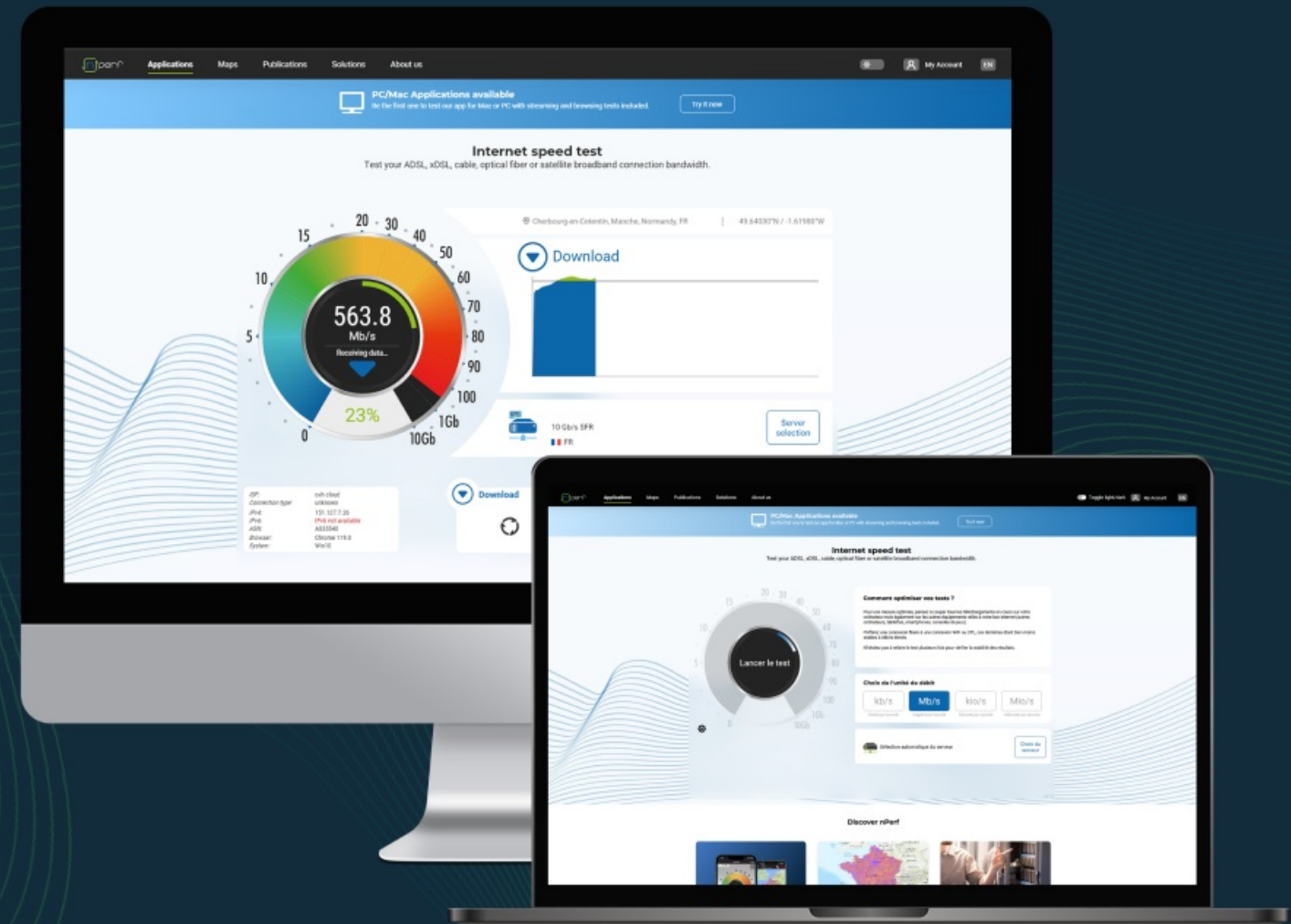


February 16, 2024



Barometer of fixed Internet Connections in Poland.

01/01/2023 - 31/12/2023



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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!
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2. Executive Summary



The subscribers of Netia and Orange enjoyed the best fixed Internet performances in Poland during 2023.

Fixed Internet connections in Poland

	Netia	Orange	Play	T-Mobile	Vectra
▼ Download bitrates (Mb/s)	186.42	189.14	182.54	70.78	215.39
▲ Upload bitrates (Mb/s)	86.08	68.67	31.97	33.32	43.83
◀▶ Latency (ms)	23.09	25.03	29.78	41.04	31.20

nPerf Score (nPoints)	148 635	145 546	135 609	115 055	139 797
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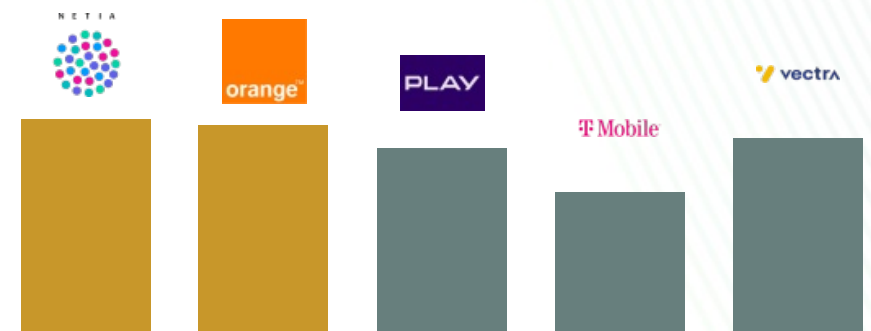
Source : nperf.com



Best fixed Internet performance in 2023



Source : nperf.com



Source : nperf.com

Poland's fixed broadband market is bustling with competition, notably among ISPs such as Netia, Orange, Play, T-Mobile, and Vectra. This overview provides a concise comparison of their services, emphasizing rounded download and upload speeds, latency, and nPerf scores to offer a snapshot of the current broadband landscape.

Netia and Orange: joint front-runners

Netia and Orange are neck and neck in the race for broadband supremacy in Poland, both offering compelling services. Netia boasts a download speed of 186 Mb/s and leads with an upload speed of 86 Mb/s, coupled with a low latency of 23 ms, culminating in an impressive nPerf score of 148,600. Orange, with a slightly higher download speed of 189 Mb/s but a lower upload speed of 69 Mb/s and a latency of 25 ms, achieves a close nPerf score of 145,500. Both ISPs stand out for their robust services, making them top choices for users with diverse internet needs, from heavy downloading to extensive uploading.

Vectra: the speed dynamo

Vectra shines with the highest download speed of 215 Mb/s, paired with an upload speed of 44 Mb/s and a latency of 31 ms. Its nPerf score of 139,800 reflects its prowess in delivering fast internet, positioning Vectra as a preferred option for users prioritizing download capabilities.

Play: consistent and reliable

Play offers a steady service with a download speed of 183 Mb/s and an upload speed of 32 Mb/s. Despite a slightly higher latency of 30 ms, its nPerf score of 135,600 denotes a reliable internet service suitable for standard web activities and streaming.

T-Mobile: room for growth

T-Mobile, with room for improvement, presents a download speed of 71 Mb/s and an upload speed of 33 Mb/s. The latency stands at 41 ms, leading to an nPerf score of 115,100. These figures suggest T-Mobile's potential for enhancing its services to better meet user expectations.

Conclusion:

The fixed broadband environment in Poland is characterized by a spectrum of options, with Netia and Orange jointly leading the pack through their comprehensive service offerings. Vectra's notable download speed caters to high-demand users, while Play provides a balanced solution. T-Mobile, albeit trailing, indicates opportunities for service enhancements.

4. Methodology



nPerf provides a **free tool 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.

For fixed connections, 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 from the nPerf server. The highest the measured value, the best is the bitrate of your connection.

◀▶ Latency (ping) :

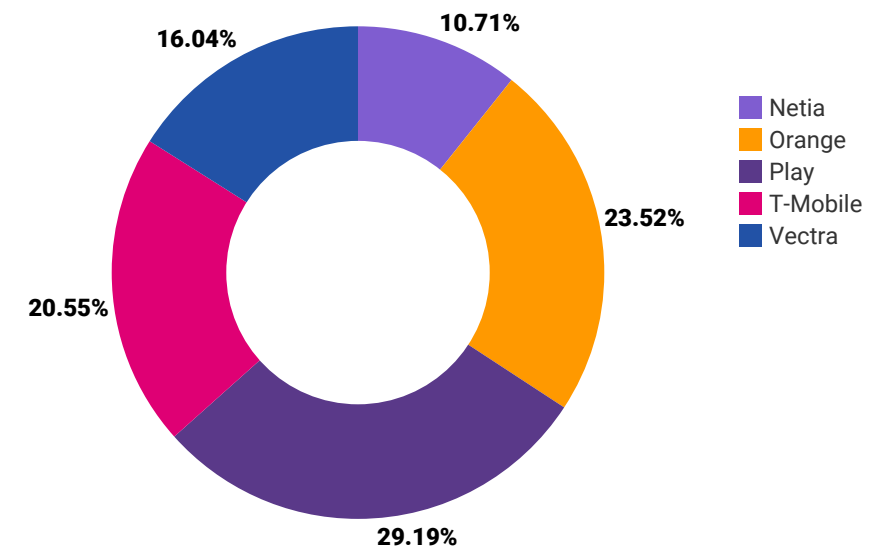
It indicated the delay a small packet of data requires to make a round-trip from your computer to the nPerf server. The shorter the delay, the most reactive your connection is. The main is the minimum value.

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 3 % 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.

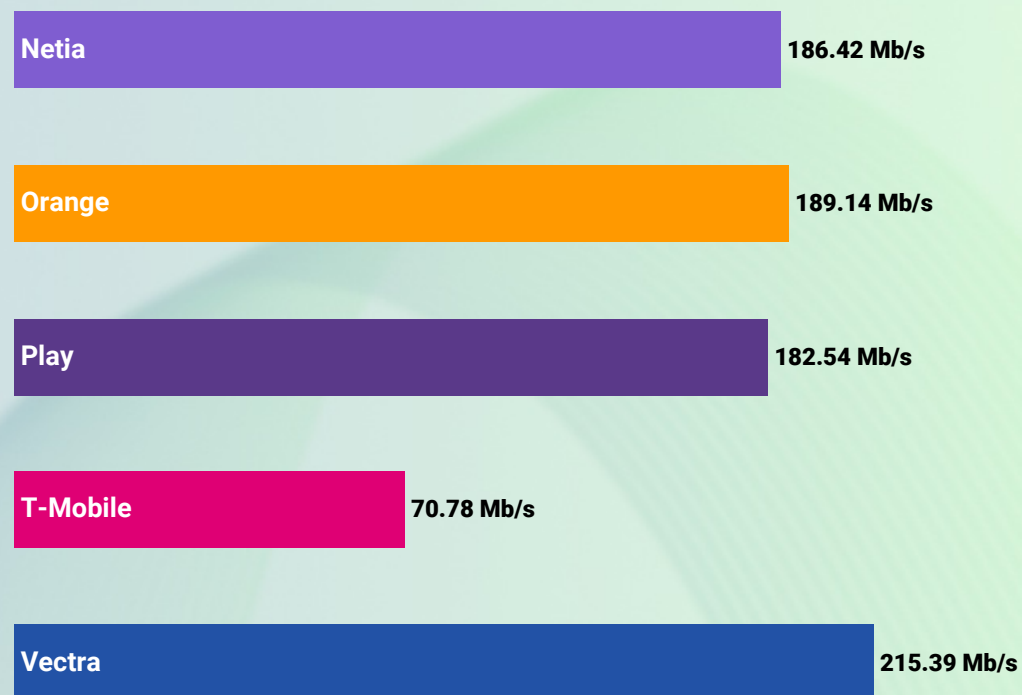
Overall distribution of the tests per provider (ISPs Share)



Source : nperf.com



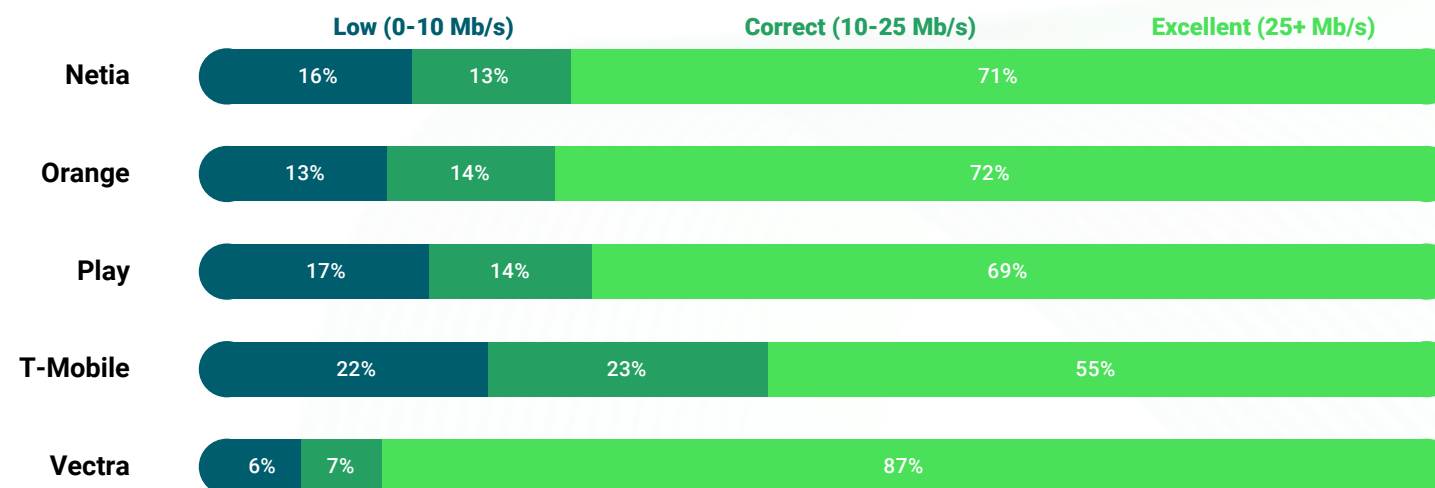
Download Speed (average)



Source : nperf.com

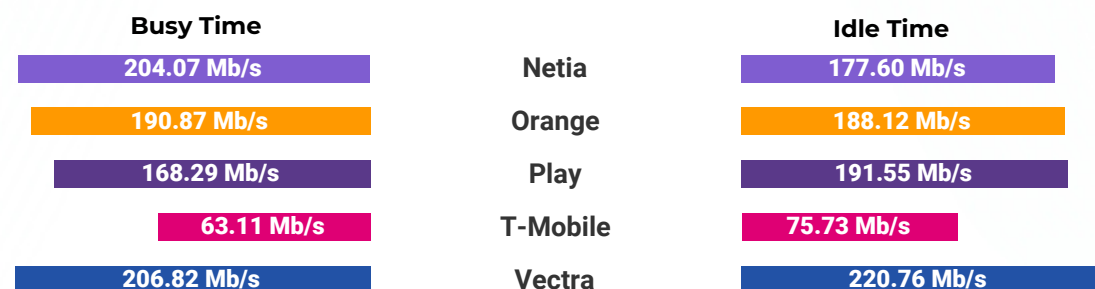
The subscribers of Vectra enjoyed the best average broadband download speed in 2023.

Download Speed results ventilation (average)



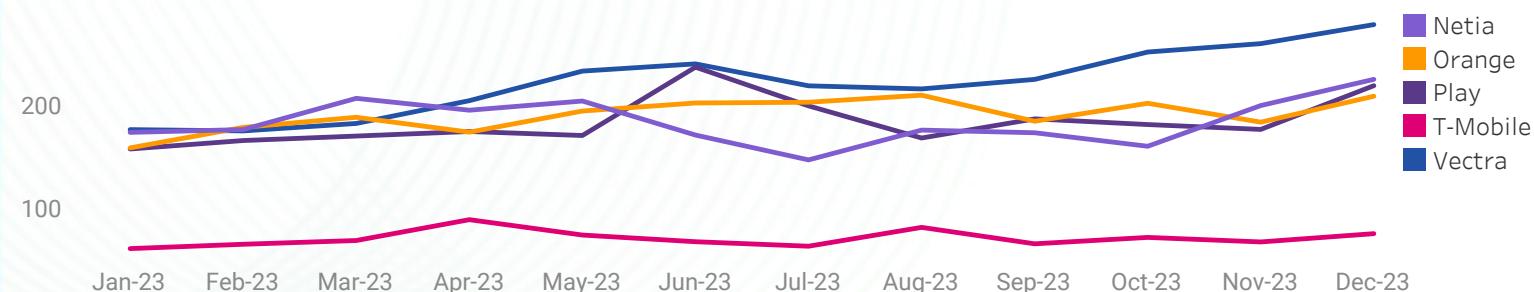
Source : nperf.com

Download Speed (average)



Source : nperf.com

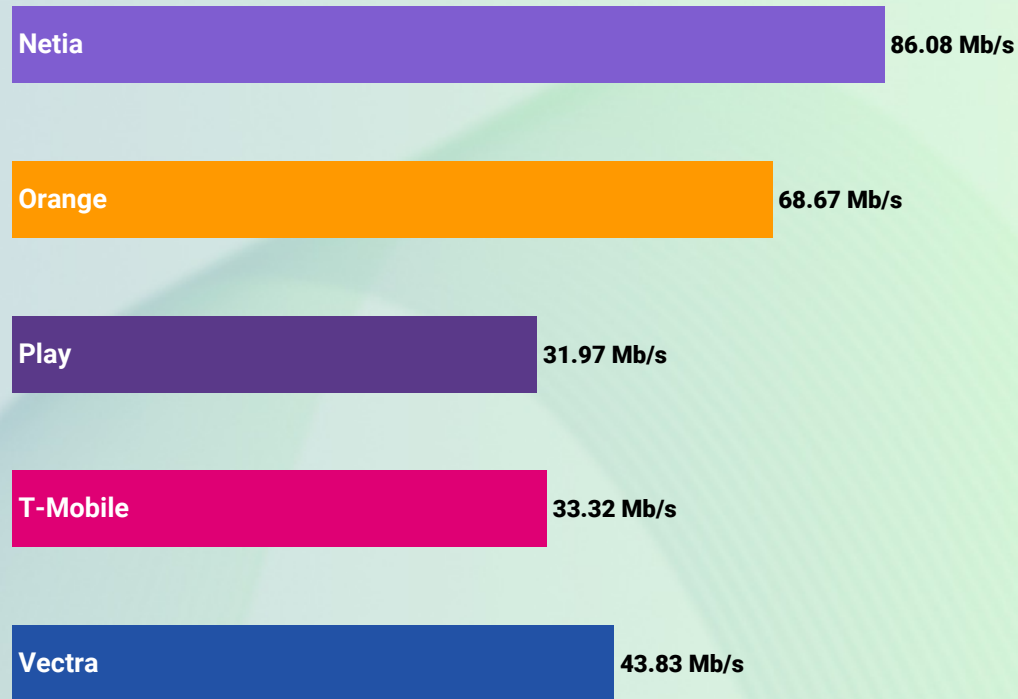
Download Speed evolution over the year (average)



Source : nperf.com



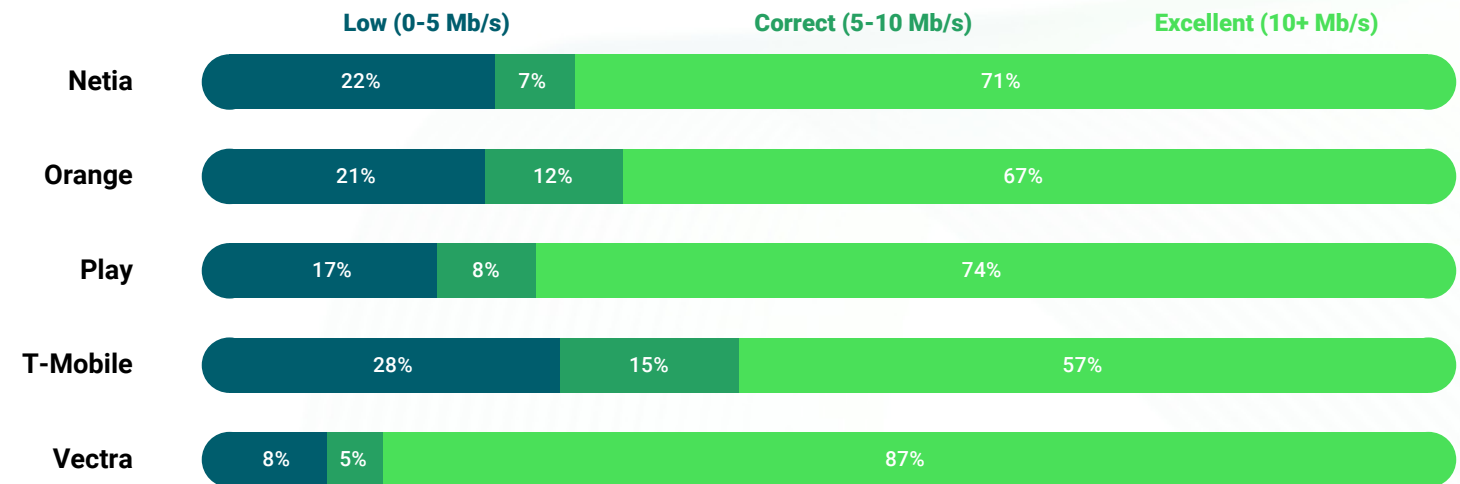
Upload Speed (average)



Source : nperf.com

The subscribers of Netia enjoyed the best average broadband upload speed in 2023.

Upload Speed results ventilation (average)



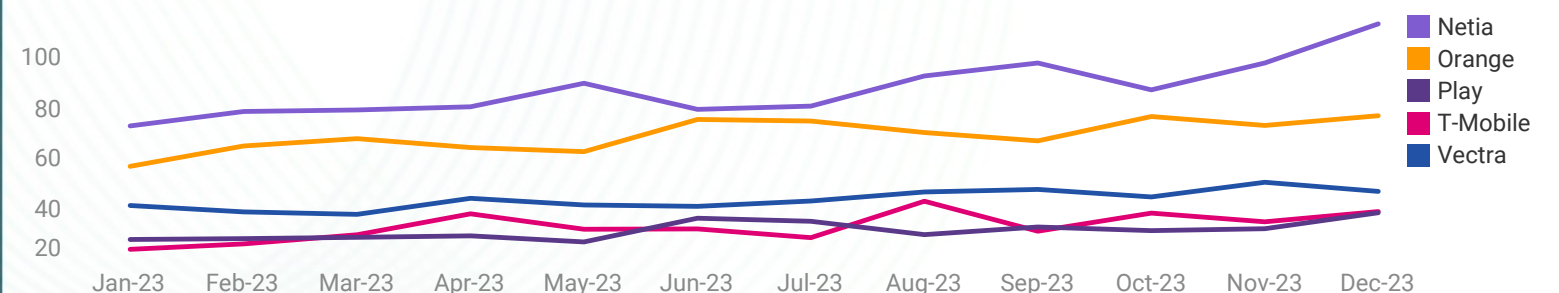
Source : nperf.com

Upload Speed (average)



Source : nperf.com

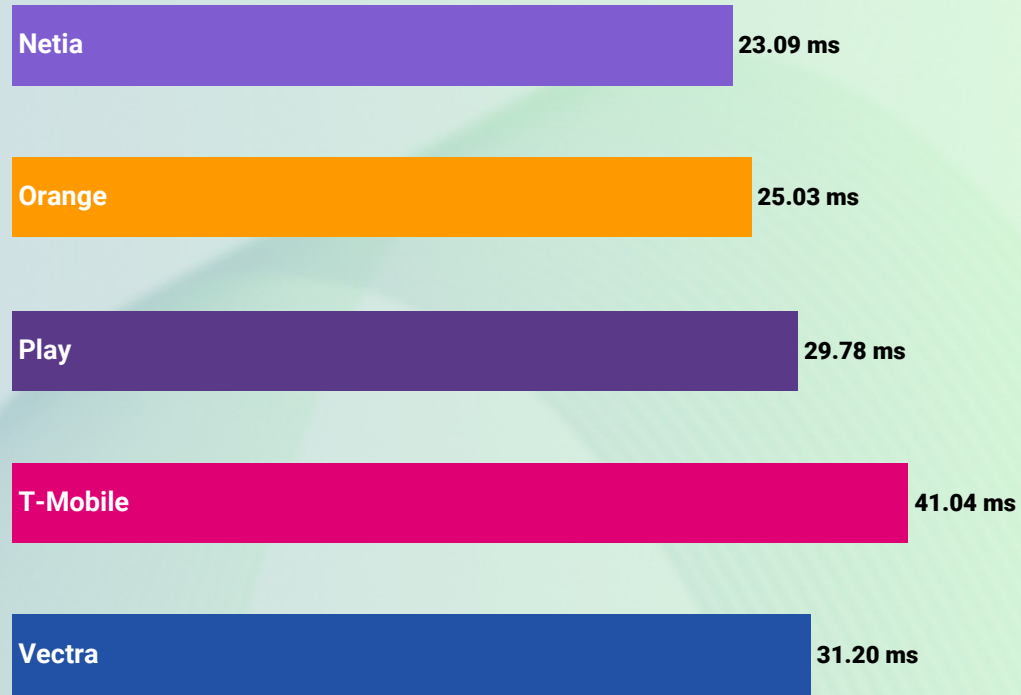
Upload Speed evolution over the year (average)



Source : nperf.com



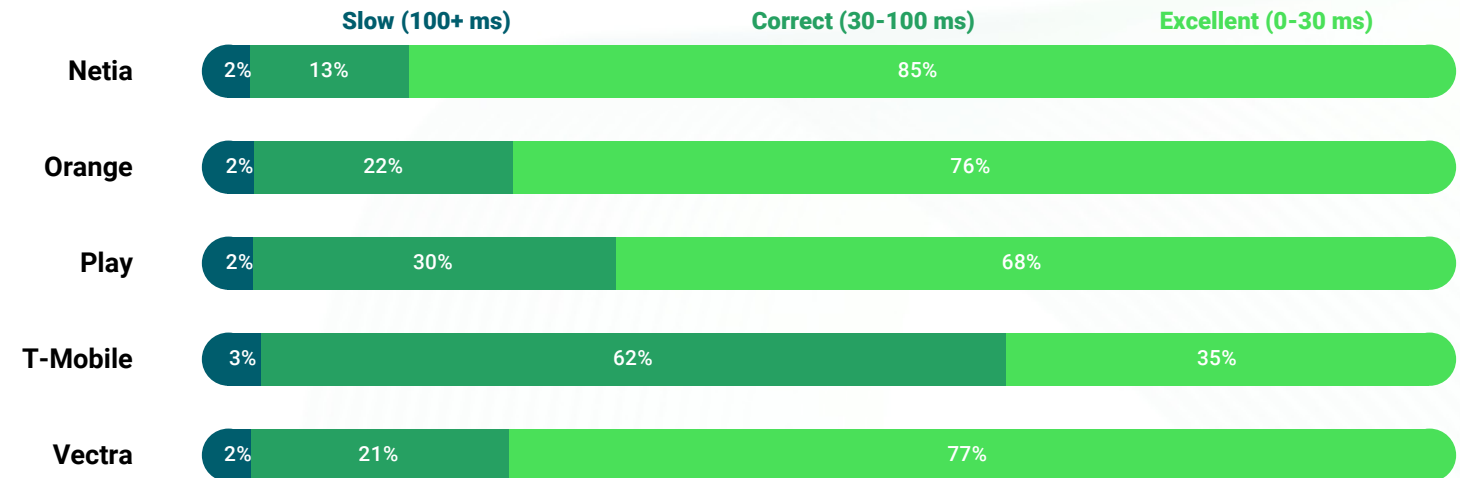
Latency Speed (average)



Source : nperf.com

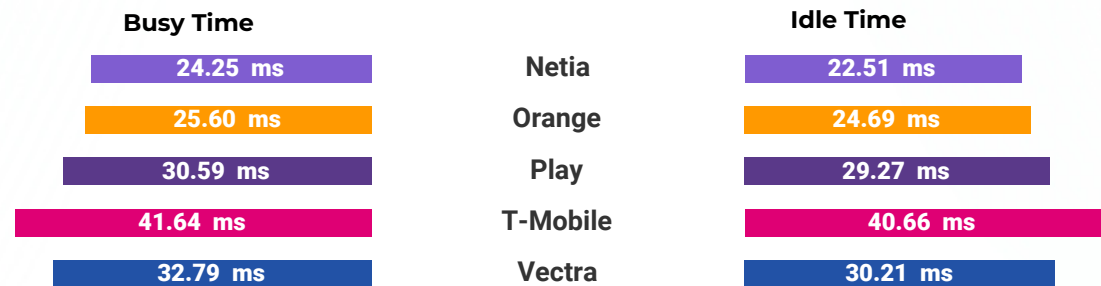
The subscribers of Netia enjoyed the best average broadband latency in 2023.

Latency Speed results ventilation (average)



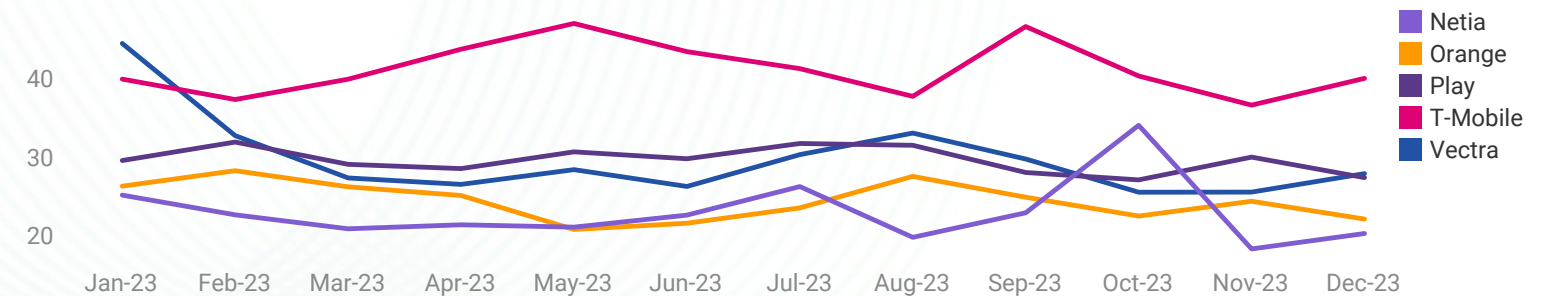
Source : nperf.com

Latency Speed (average)



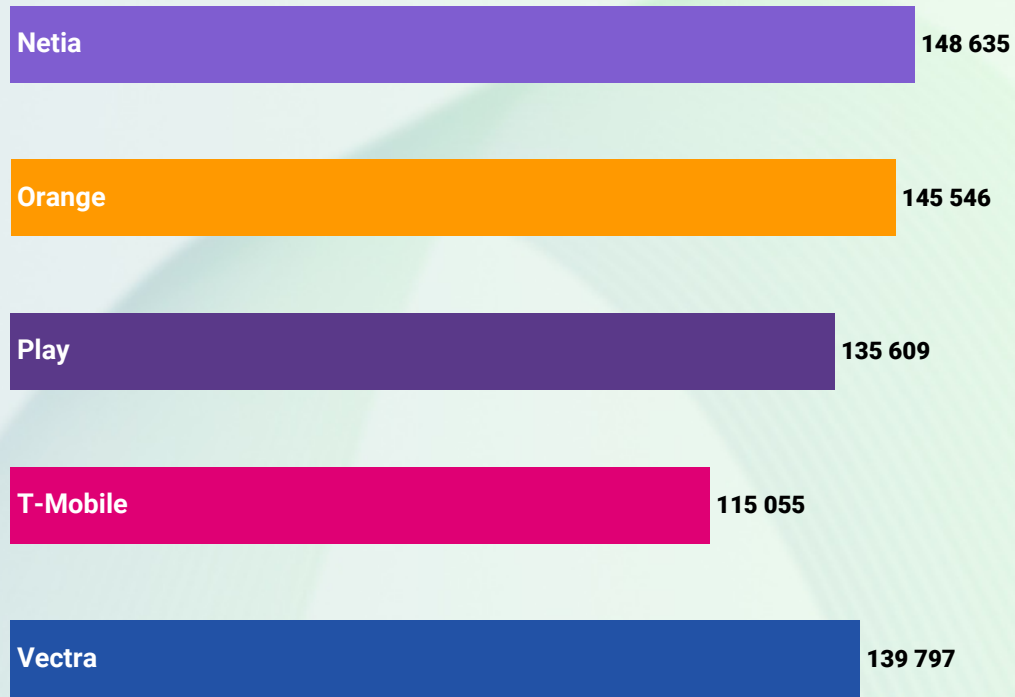
Source : nperf.com

Average latency Speed evolution over the year



Source : nperf.com

nPerf Score (nPoints)



Source : nperf.com

The subscribers of Netia and Orange enjoyed the best fixed Internet performances in Poland during 2023.

The nperf score takes into account the measured bitrates and the latency. 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.

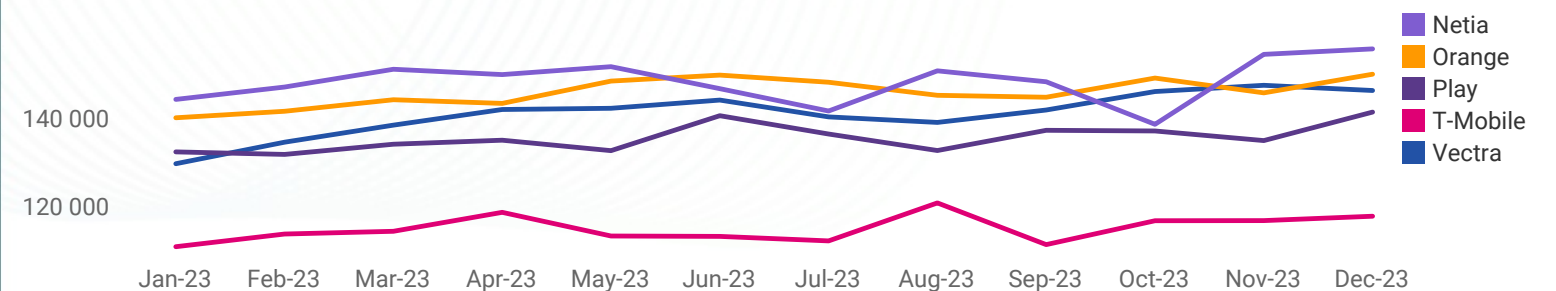
Source : nperf.com

NETIA orange
Best fixed Internet performance in 2023



Source : nperf.com

nPerf score evolution over the year (average)



Source : nperf.com



We qualify your connection