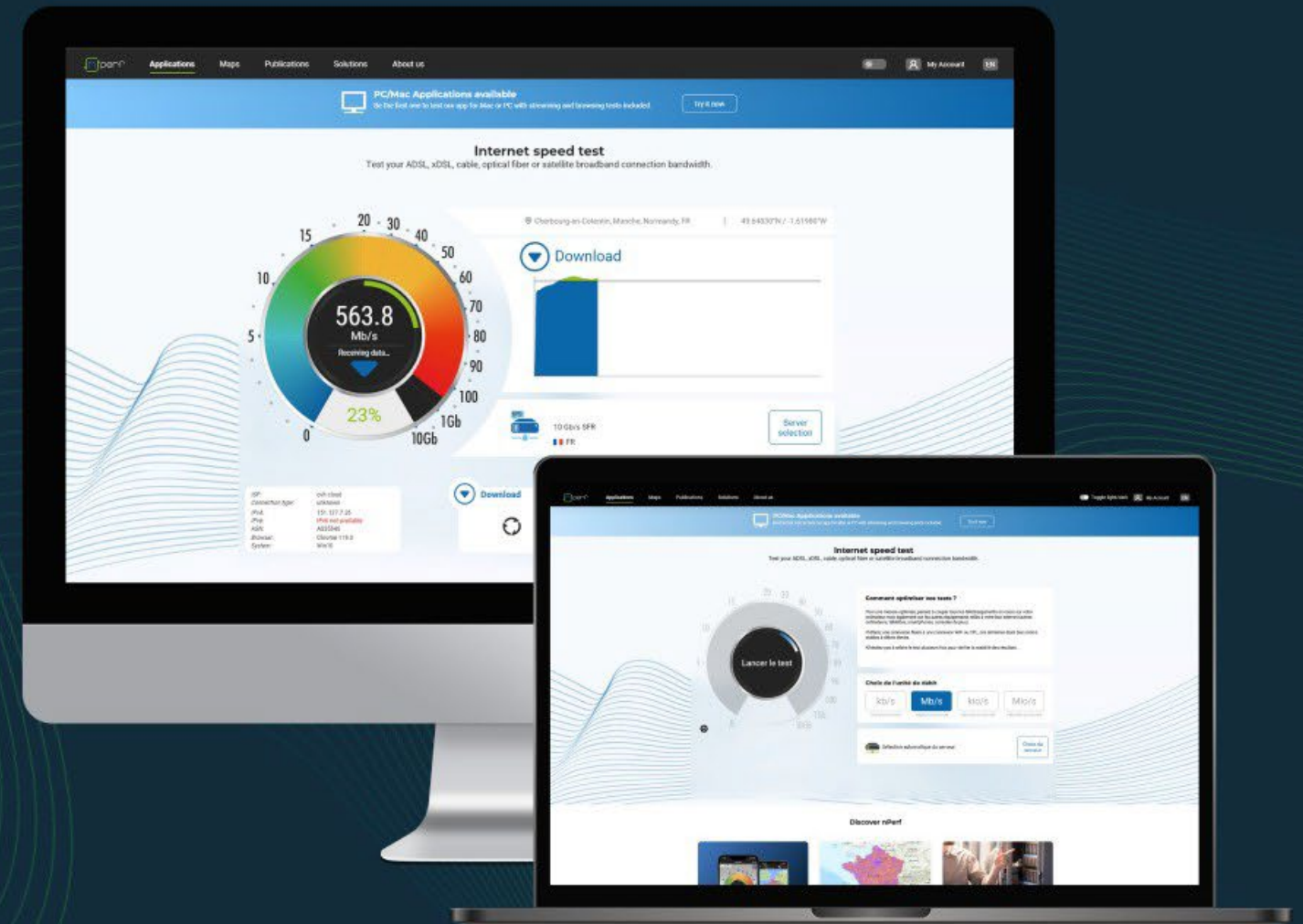


July 15, 2024



Barometer of fixed Internet connections in Paraguay

01/07/2023 - 30/06/2024



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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.



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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 Personal enjoyed the best fixed Internet performances in Paraguay during 2024.

Fixed Internet connections in Paraguay

	Claro Paraguay	Copaco	Personal	Tigo	Ufinet Paraguay S.A.
▼ Download bitrates (Mb/s)	71.65	68.43	98.01	73.79	29.43
▲ Upload bitrates (Mb/s)	23.41	46.72	24.37	23.31	26.34
◀▶ Latency (ms)	60.88	19.20	21.11	35.25	33.72
🌐 Web browsing (%)	47.98	42.35	51.55	42.38	46.05
🎥 Youtube streaming (%)	83.96	73.33	83.07	76.61	75.96
📊 nPerf Score (nPoints)	70 120	76 015	87 682	68 818	62 834

Source : nperf.com

personal

Best fixed Internet performance
in 2024



Source : nperf.com



Source : nperf.com

Introduction

In Paraguay's telecommunications market, Personal holds the top position, followed by Copaco in second place, Claro Paraguay in third, Tigo in fourth, and Ufinet in last position. This ranking highlights the varied performance of each internet service provider (ISP) in key areas such as download and upload speeds, web browsing, Youtube streaming, and latency.

Personal leads with excellent performance

Personal stands out as the leader due to its superior performance in several key metrics. With a download speed of 98.01 Mbps, web browsing score of 51.55, and Youtube streaming score of 83.07, Personal provides a fast and reliable internet experience, securing its top position in the market.

Copaco: strong in upload speed and latency

Copaco secures the second position, thanks to its strong performance in upload speed (46.72 Mbps) and latency (19.20 ms). These strengths make Copaco a competitive option for users who prioritize quick upload times and low latency for applications such as video conferencing and online gaming.

Claro Paraguay: champion in Youtube streaming

Claro Paraguay holds the third position, excelling particularly in youtube streaming with a score of 83.96. This highlights Claro Paraguay's capability to deliver high-quality streaming services, making it an attractive choice for users focused on media consumption.

Tigo: notable download speed

In fourth place, Tigo offers a solid download speed of 73.79 Mbps. Although it does not lead in any single category, Tigo provides reliable service that can meet the needs of many users, particularly those prioritizing download speed.

Ufinet: lagging behind

In the last position, Ufinet falls significantly behind its competitors. Ufinet's performance in key areas does not allow it to compete effectively in the Paraguayan telecommunications market, impacting its appeal to users.

Conclusion

The Paraguayan telecommunications market is led by Personal, thanks to its excellent performance in download speed, web browsing, and Youtube streaming. Copaco follows in second place, excelling in upload speed and latency. Claro Paraguay holds the third position with strong Youtube streaming capabilities. Tigo offers competitive download speeds in fourth place, while Ufinet struggles to keep up, trailing behind its rivals. This competitive landscape offers users a range of options based on their specific needs, whether they prioritize speed, streaming quality, or low latency.

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 mobile connections, we assess:

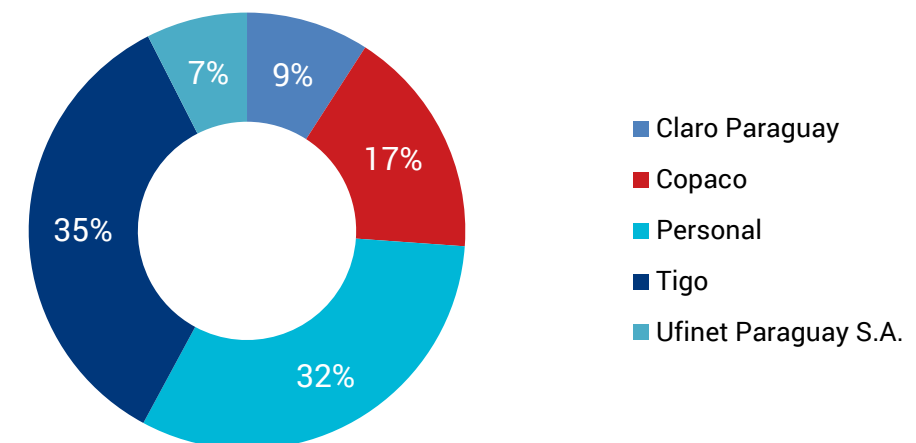
- ▼ **Download bitrate:**
Indicates the amount of data your connection can receive in one second from the nPerf server. The highest the measured value, the best is the bitrate of your connection.
- ▲ **Upload bitrate:**
Indicates the amount of data your connection can send in one second from the nPerf 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.
- 🌐 **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 user's perceived quality of the Internet network.
- 📺 **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 user's perceived quality of the Internet network.

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 4.2% precision for absolute values, 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.

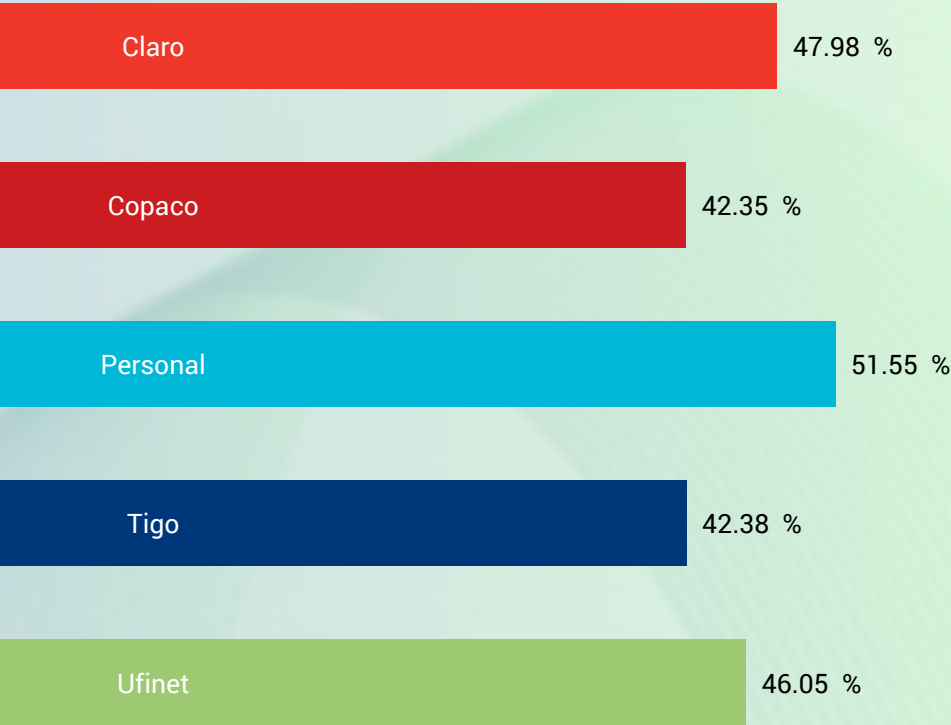
Overall distribution of the tests per provider (ISPs Share)



Source : nperf.com



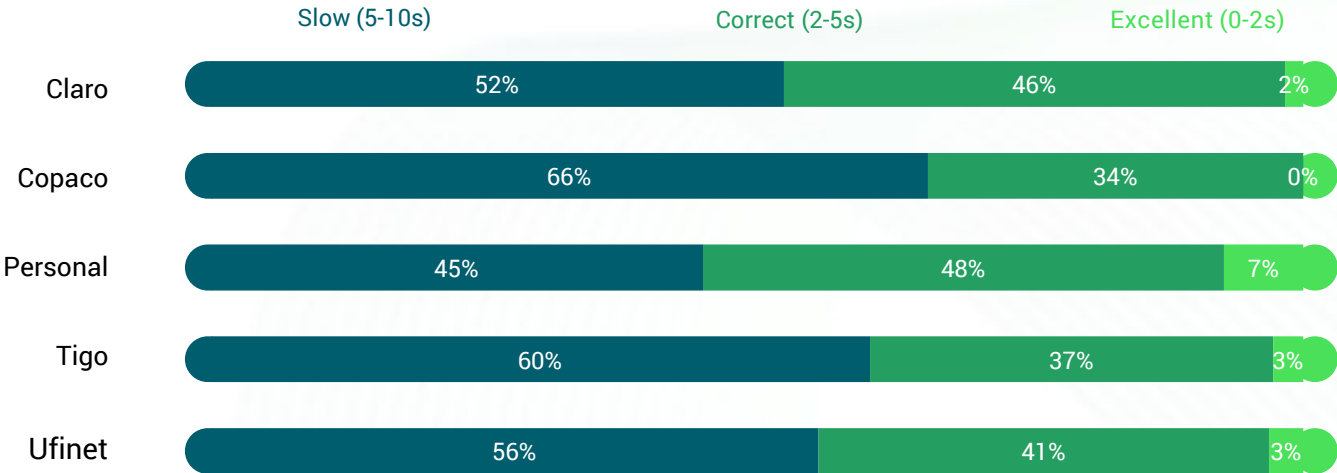
Browsing Performance rate (average)



Source : nperf.com

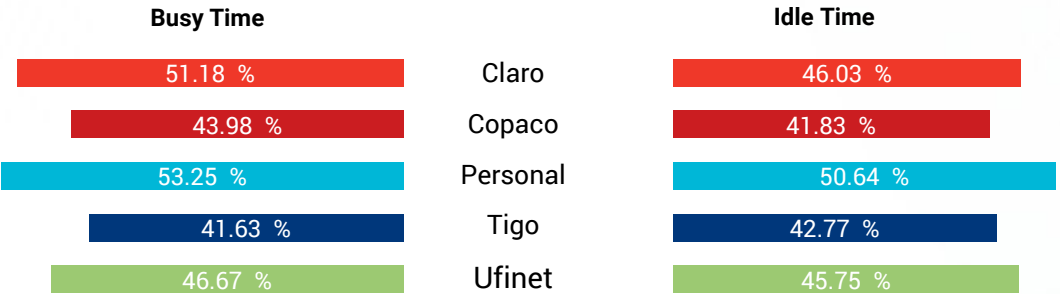
The subscribers of Personal enjoyed the best mobile Internet browsing performance in 2024.

Browsing Performance results ventilation (average)



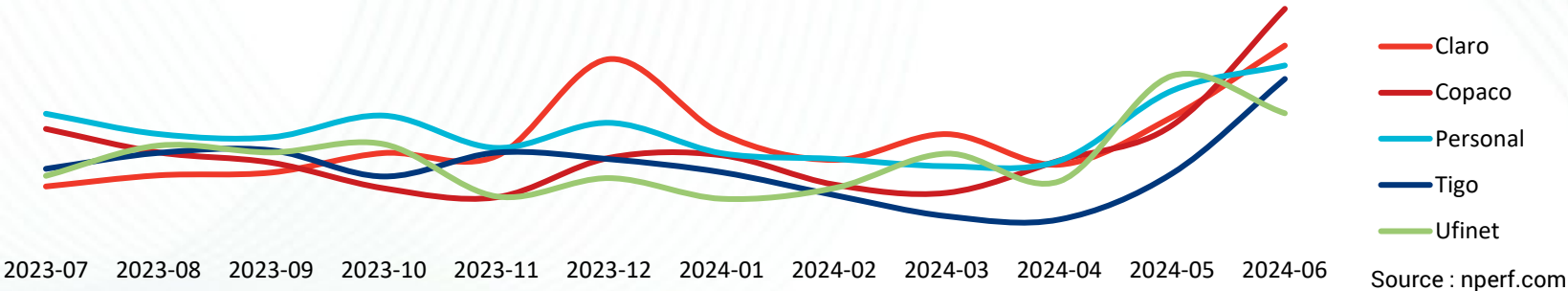
Source : nperf.com

Browsing Performance rate (average)



Source : nperf.com

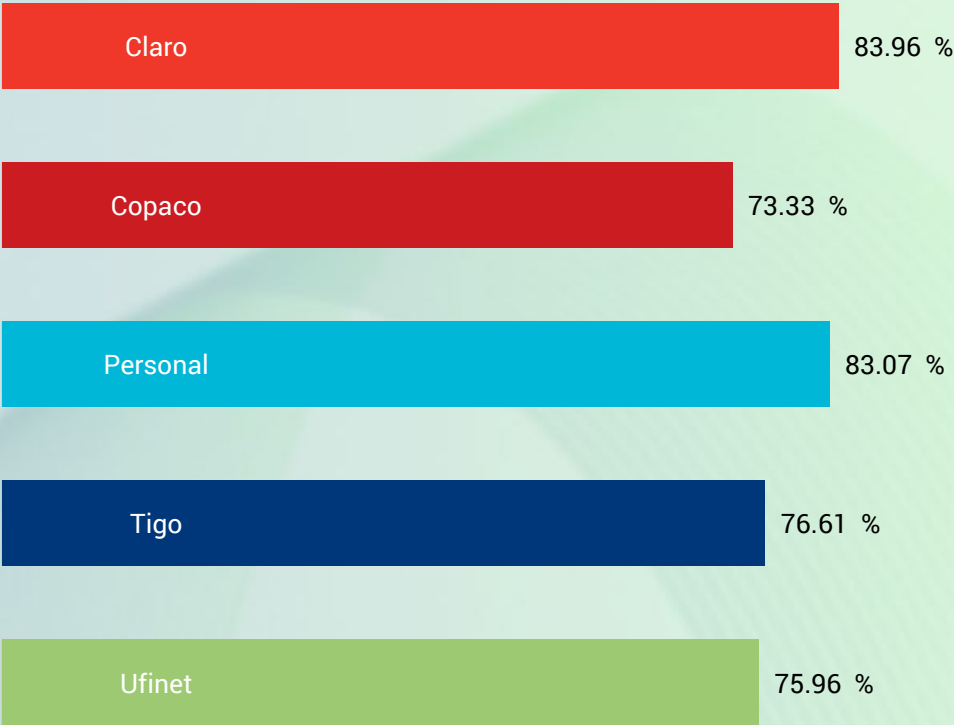
Browsing performance rate (average) evolution over the year



Source : nperf.com



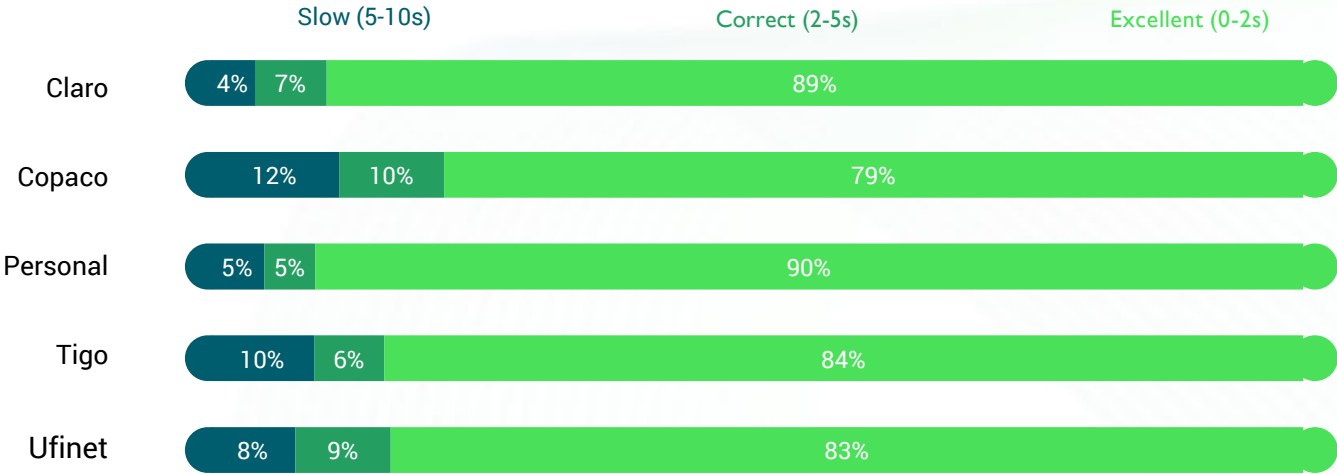
Streaming Performance rate (average)



Source : nperf.com

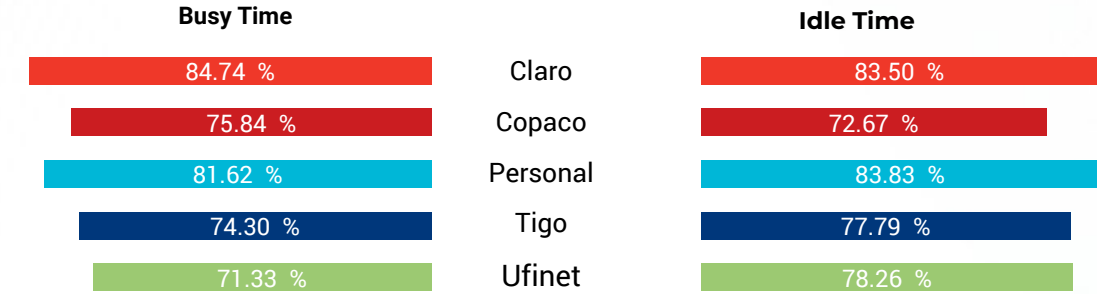
The subscribers of Claro and Personal enjoyed the best mobile Internet streaming performance in 2024.

Streaming Performance results ventilation (average)



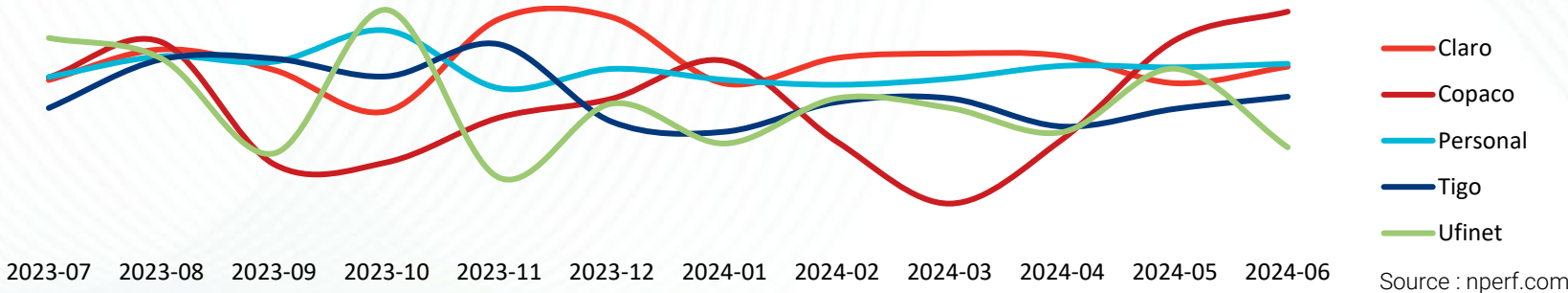
Source : nperf.com

Streaming Performance rate (average)



Source : nperf.com

Streaming performance rate (average) evolution over the year



Source : nperf.com



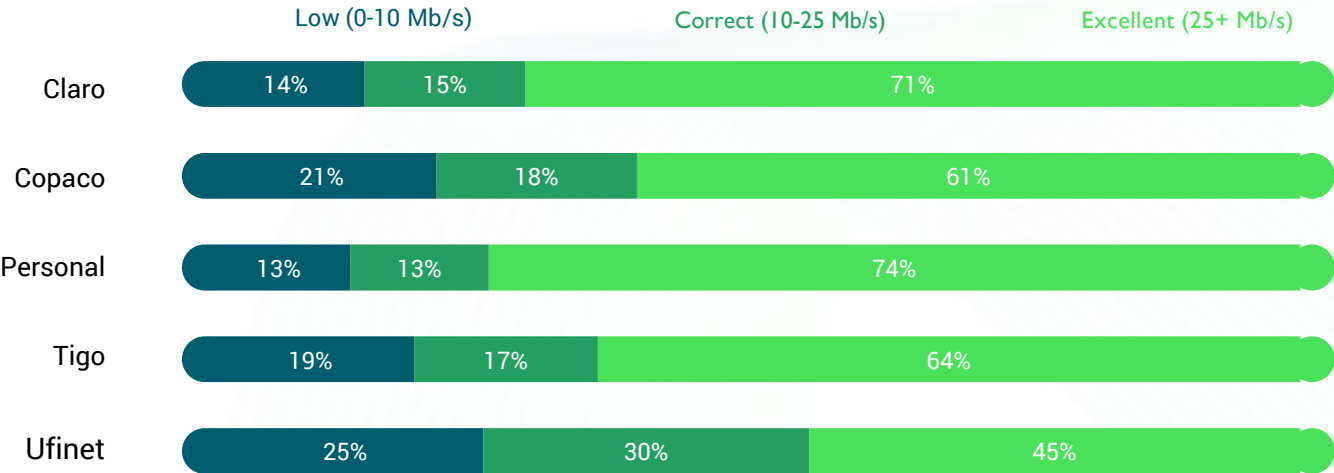
Download Speed (average)



Source : nperf.com

The subscribers of Personal enjoyed the best average mobile Internet download speed in 2024.

Download Speed results ventilation (average)



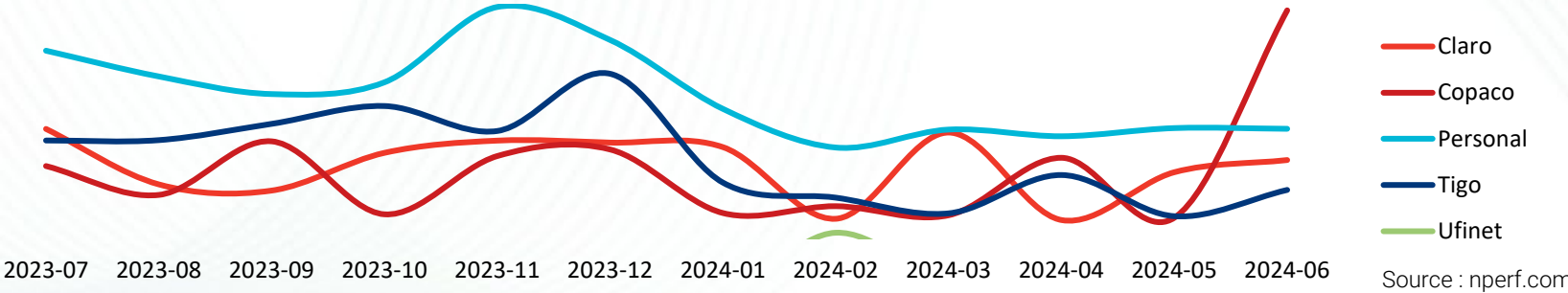
Source : nperf.com

Download Speed (average)



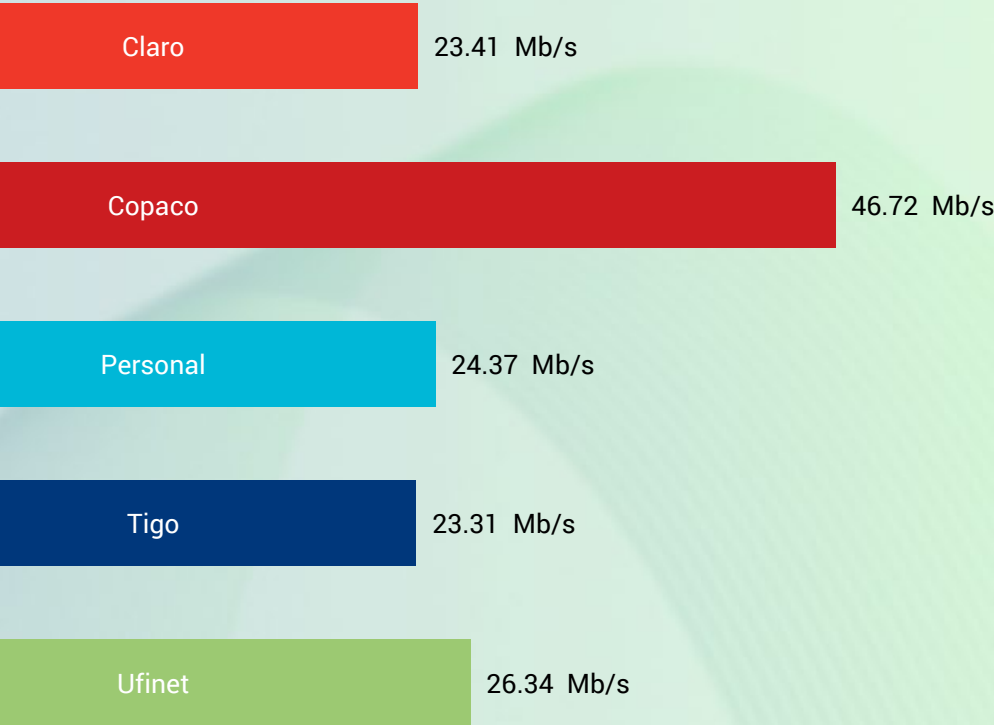
Source : nperf.com

Download Speed evolution over the year (average)





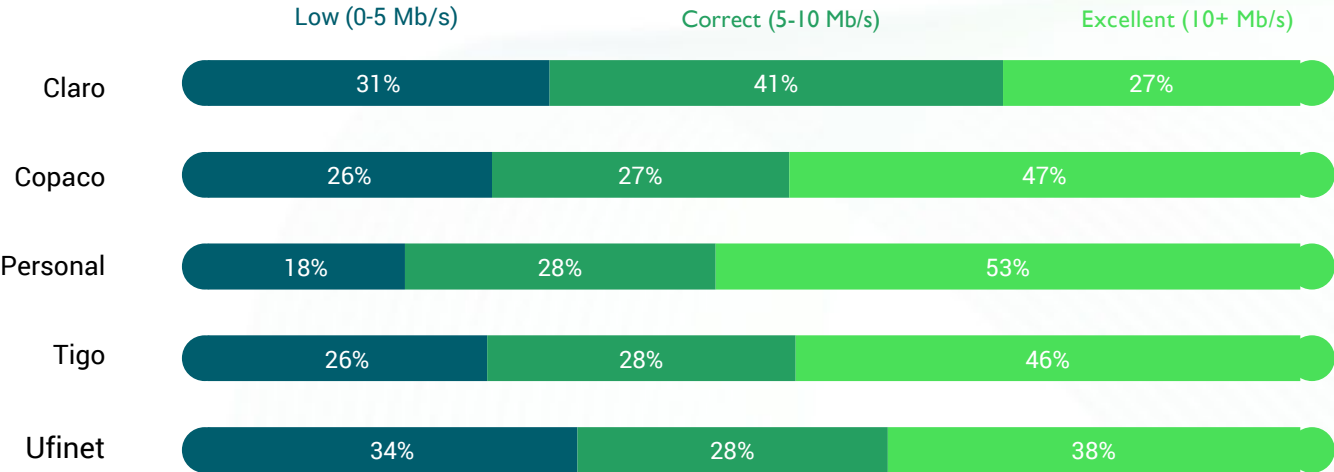
Upload Speed (average)



Source : nperf.com

The subscribers of Copaco enjoyed the best average mobile Internet upload speed in 2024.

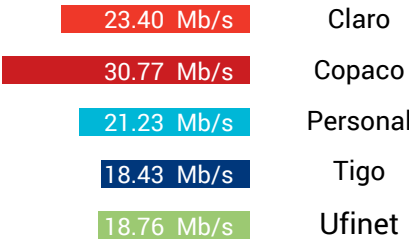
Upload Speed results ventilation (average)



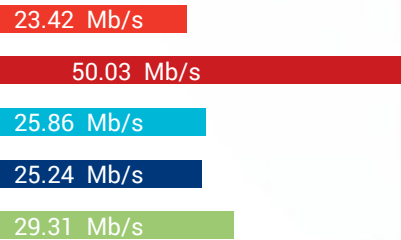
Source : nperf.com

Upload Speed (average)

Busy Time

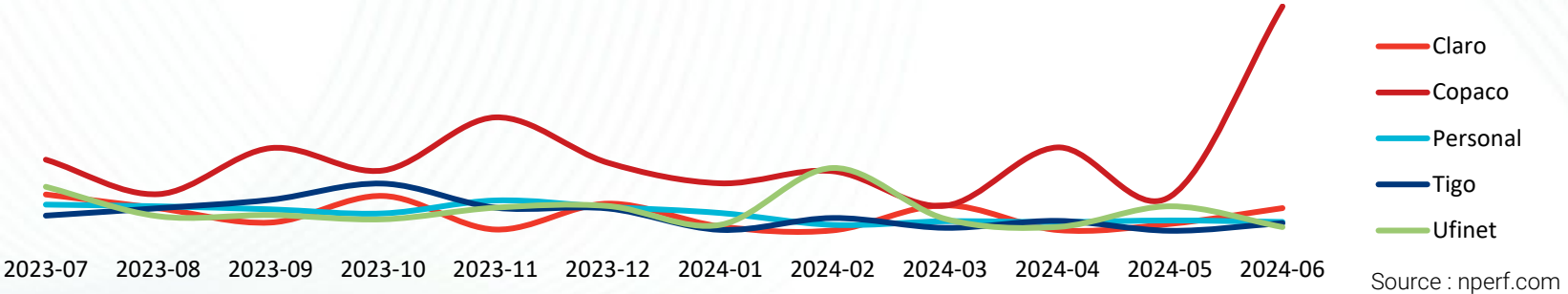


Idle Time



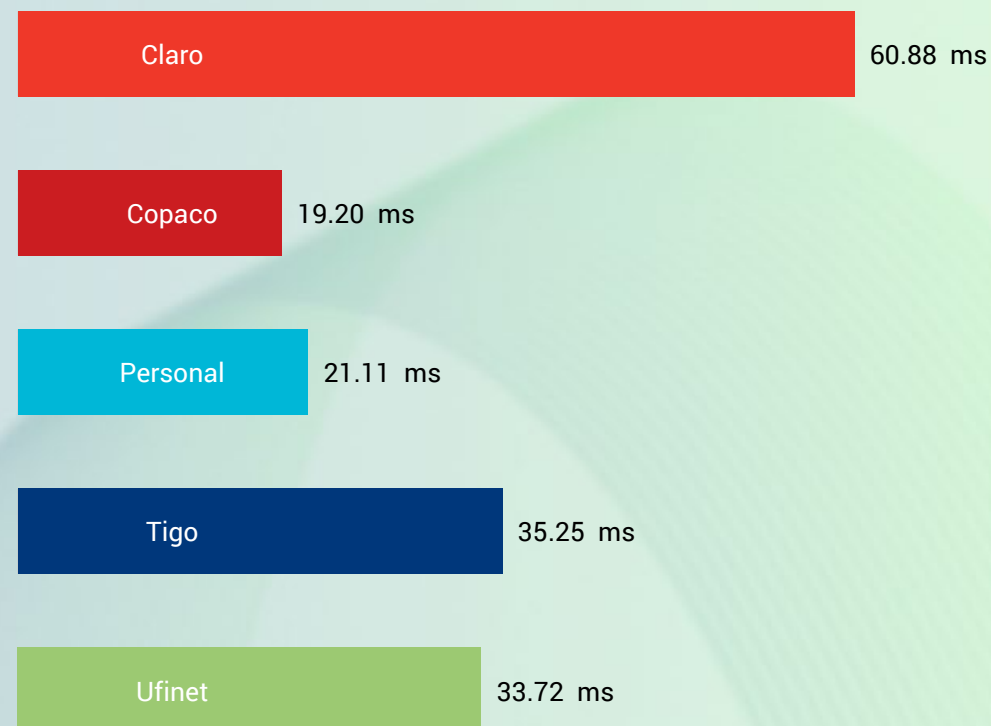
Source : nperf.com

Upload Speed evolution over the year (average)





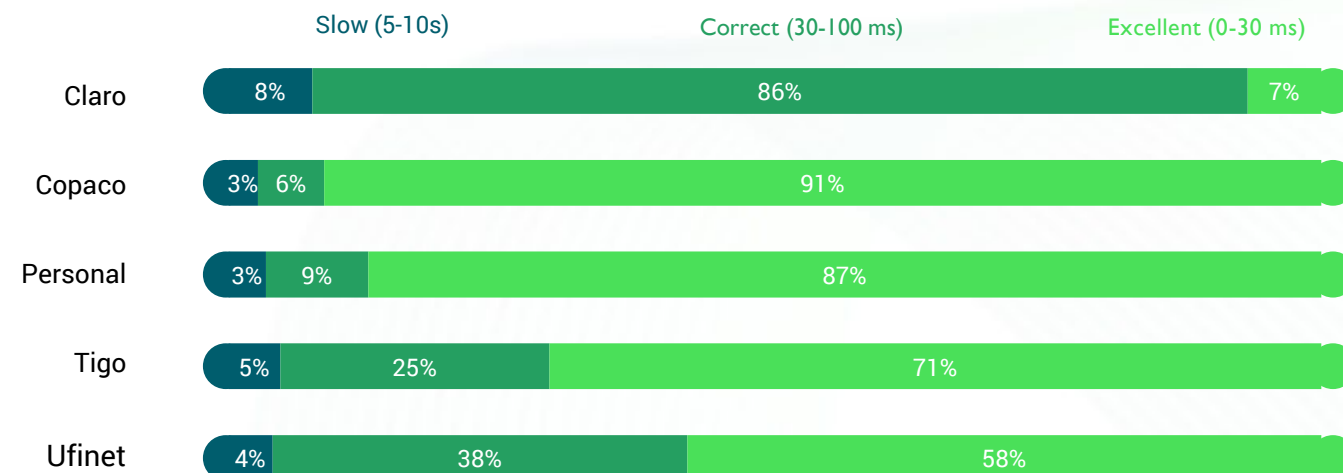
Latency Speed (average)



Source : nperf.com

The subscribers of Copaco enjoyed the best average mobile Internet latency speed in 2024.

Latency Speed results ventilation (average)



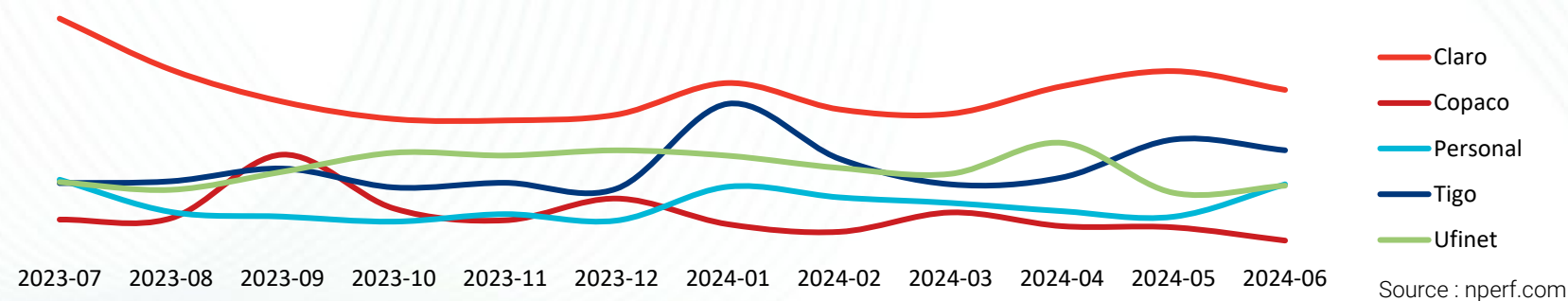
Source : nperf.com

Latency Speed (average)



Source : nperf.com

Latency Speed evolution over the year (average)





nPerf Score (nPoints)



Source : nperf.com

The subscribers of Personal enjoyed the best fixed Internet performances in Paraguay during 2024.

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.

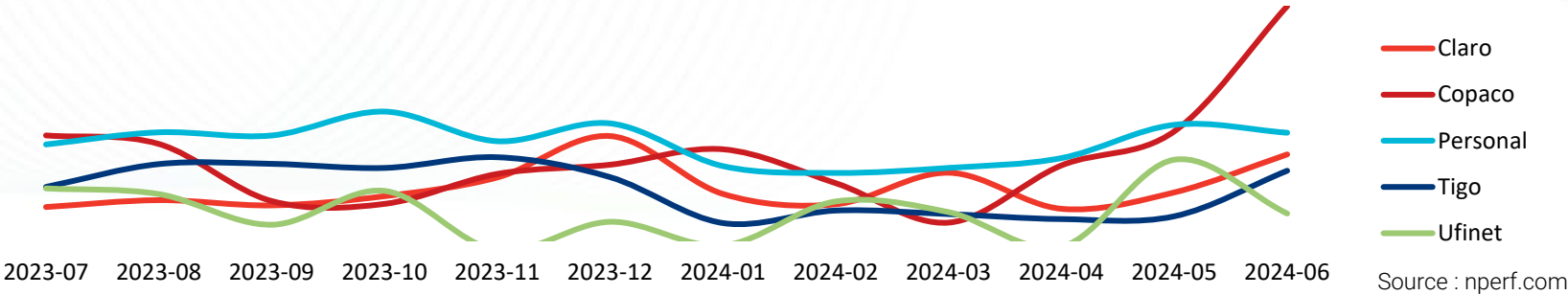
Source : nperf.com

personal
Best fixed Internet performance
in 2024



Source : nperf.com

nPerf score evolution over the year (average)



Source : nperf.com

