

01/14/2025

Barometer of mobile Internet connections in Nigeria

01/01/2024 - 12/31/2024



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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.

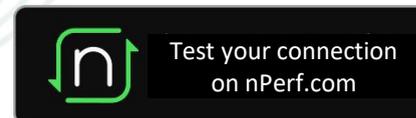
 **300k+** tests daily worldwide.

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

 **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 MTN enjoyed the best mobile Internet performances in 2024.

Mobile Internet connections in Nigeria

	Airtel	Glo	MTN
Download bitrates (Mb/s)	9,98	5,66	17,82
Upload bitrates (Mb/s)	4,35	3,43	8,05
Latency (ms)	119,85	89,44	79,44
Web browsing (%)	28,86	29,42	36,08
Youtube streaming (%)	67,04	53,81	72,35
nPerf Score (nPoints)	26 513	19 684	39 475

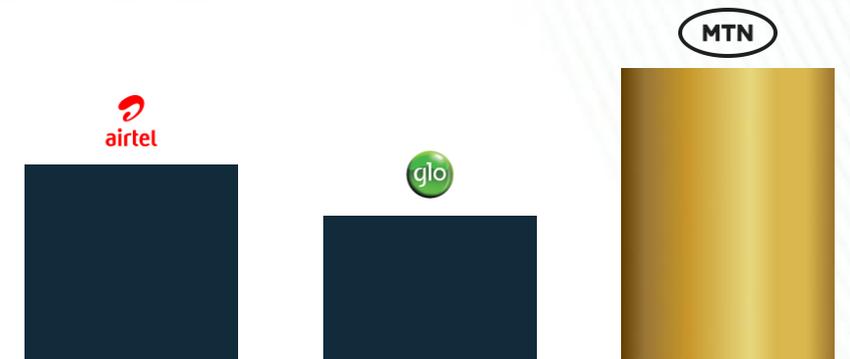
Source : nperf.com



Best mobile Internet performance in 2024



Source : nperf.com



Source : nperf.com

The subscribers of MTN enjoyed the best 4G Internet performances in Nigeria in 2024.

4G mobile Internet connections in Nigeria

	Airtel	Glo	MTN
▼ Download bitrates (Mb/s)	11,09	7,10	16,52
▲ Upload bitrates (Mb/s)	5,02	4,64	9,41
◀▶ Latency (ms)	117,75	85,08	77,49
🌐 Web browsing (%)	30,98	32,48	38,86
📺 Youtube streaming (%)	68,70	53,79	74,85
 nPerf Score (nPoints)	28 983	23 076	41 562

Source : nperf.com

Introduction

In 2024, the mobile market in Nigeria saw significant developments. The leader for this period is MTN, maintaining its position as the global winner. This period highlights MTN's continued dominance as the market leader, with no new entrants taking the lead in 2024. MTN emerged as the sole leader, showing impressive advancements across various KPIs and focus areas. The analysis showcases MTN's superiority in Download speed, Upload speed, and Latency. In the 4G focus area, MTN also stands out as the leader. These achievements underline the positive trends and strong market dynamics.

MTN: Market Leader with Exceptional Performance

For the period analyzed, MTN stands out as the market leader, achieving a notable performance score. Not only does MTN excel in Download speed, Upload speed, and Latency, but it also leads in Video streaming. MTN dominates the 4G focus area, reinforcing its pioneering position in the mobile telecom sector. Significant improvements include a remarkable enhancement in Upload speed. MTN's consistent contributions have greatly strengthened the overall market landscape.

Airtel: Solid in Browsing and Streaming

Airtel, while not the market leader, demonstrates solid performance in specific categories. With a strong performance in Browsing and Video streaming, Airtel secures its place as a key player. The operator's contributions are vital to the market's competitiveness, and its focus on enhancing user experience is evident.

Glo: Steady Progress with Notable Improvements

Glo shows steady progress with a commendable improvement in its overall score. Although not a market leader, Glo has shown improvements in various areas, contributing positively to the market's dynamics. The operator's focus on enhancing connectivity and customer satisfaction is noteworthy.

Conclusion

MTN leads the market with outstanding performances, particularly in Download speed, Upload speed, and Latency, along with a focus on 4G. Airtel and Glo also contribute significantly to the market's competitiveness. The Nigerian mobile market remains robust, with operators striving for excellence and innovation, ensuring a dynamic and competitive landscape.

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 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 perceived quality by the user.

📺 Streaming performance

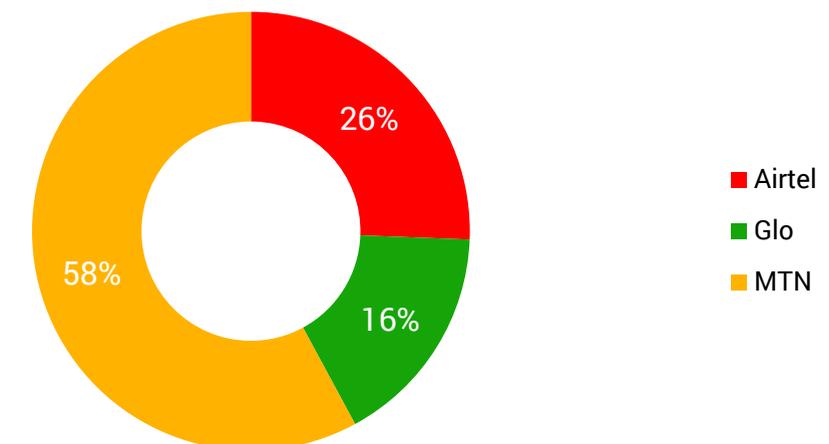
The video streaming test gauges the load time of a fully loaded video in three resolutions on YouTube, considering stalls during playback. This indicator reflects the perceived quality by the user.

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 3% 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.

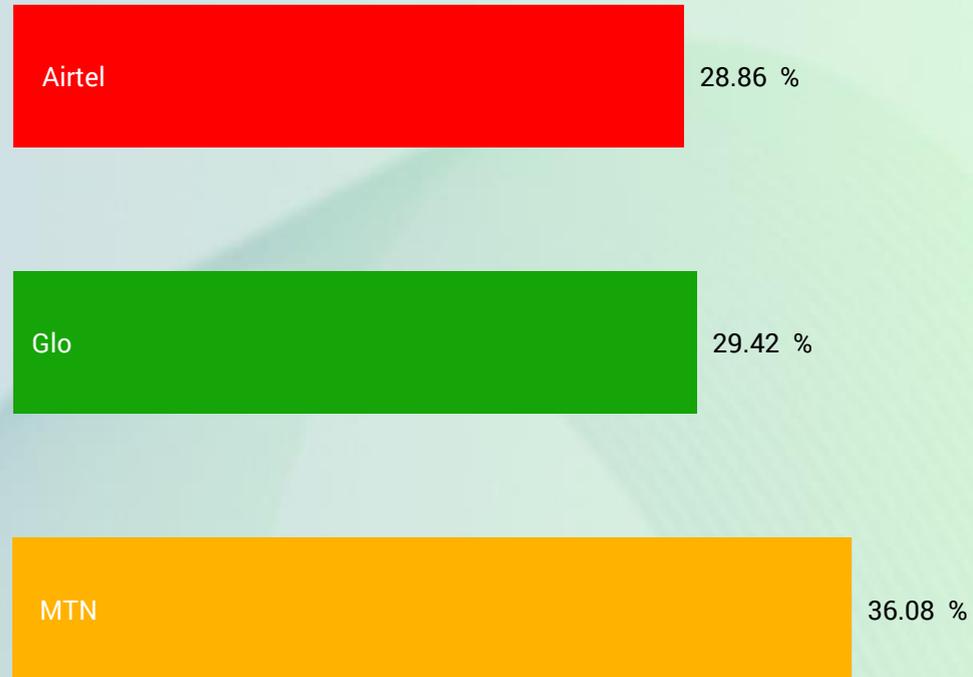
Overall distribution of the tests per provider (ISPs Share)



Source : nperf.com



Browsing Performance rate (average)



Source : nperf.com

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

Browsing Performance results ventilation (average)



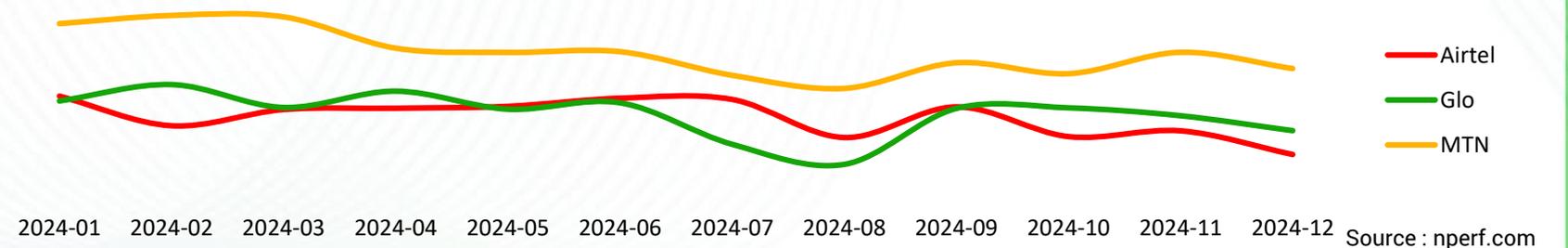
Source : nperf.com

Browsing Performance rate (average)



Source : nperf.com

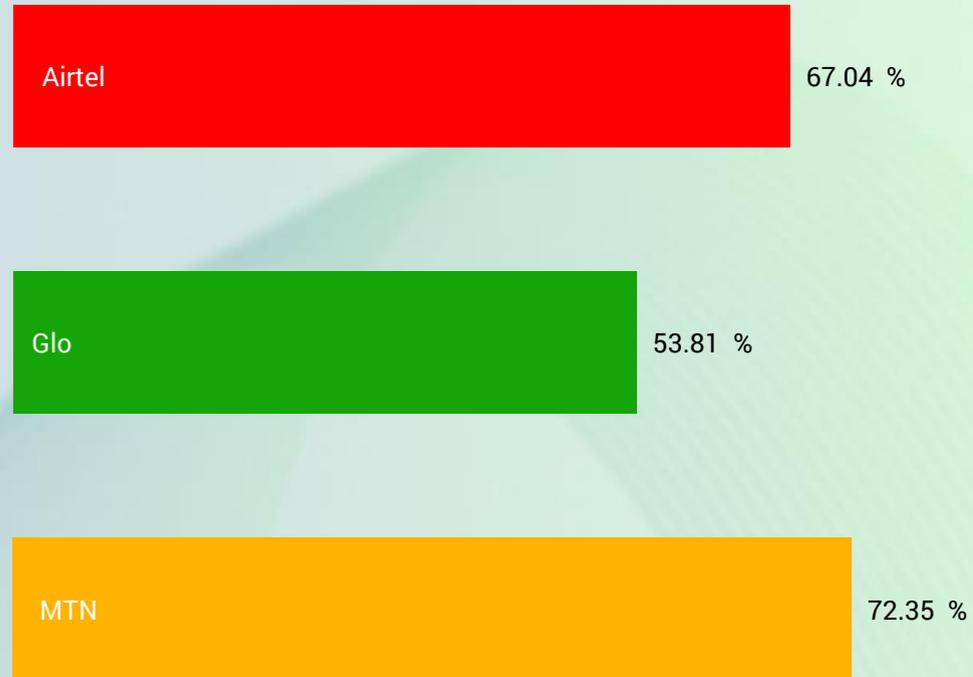
Browsing performance rate (average) evolution over the year



Source : nperf.com



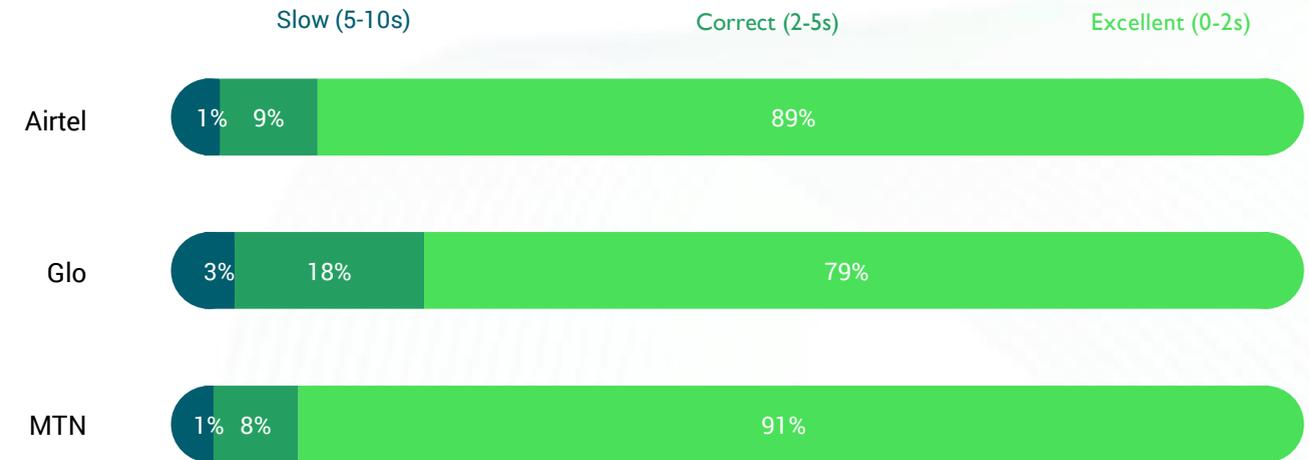
Streaming Performance rate (average)



Source : nperf.com

The subscribers of MTN enjoyed the best mobile Internet streaming performance in 2024.

Streaming Performance results ventilation (average)



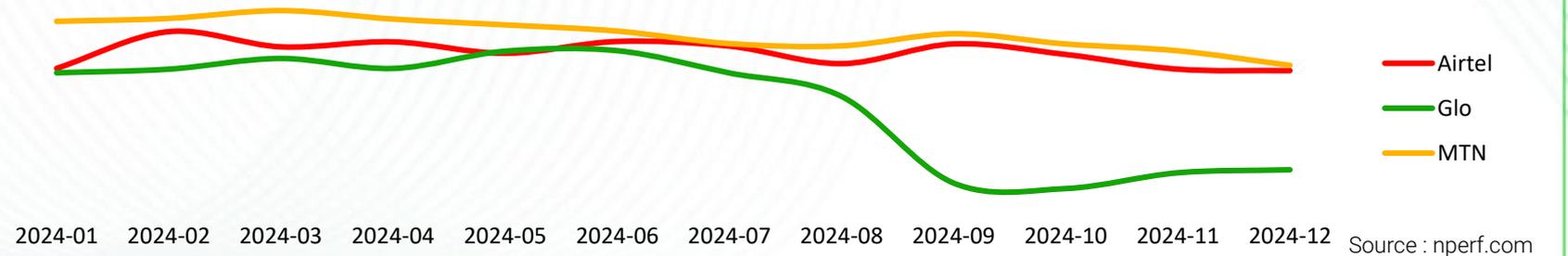
Source : nperf.com

Streaming Performance rate (average)



Source : nperf.com

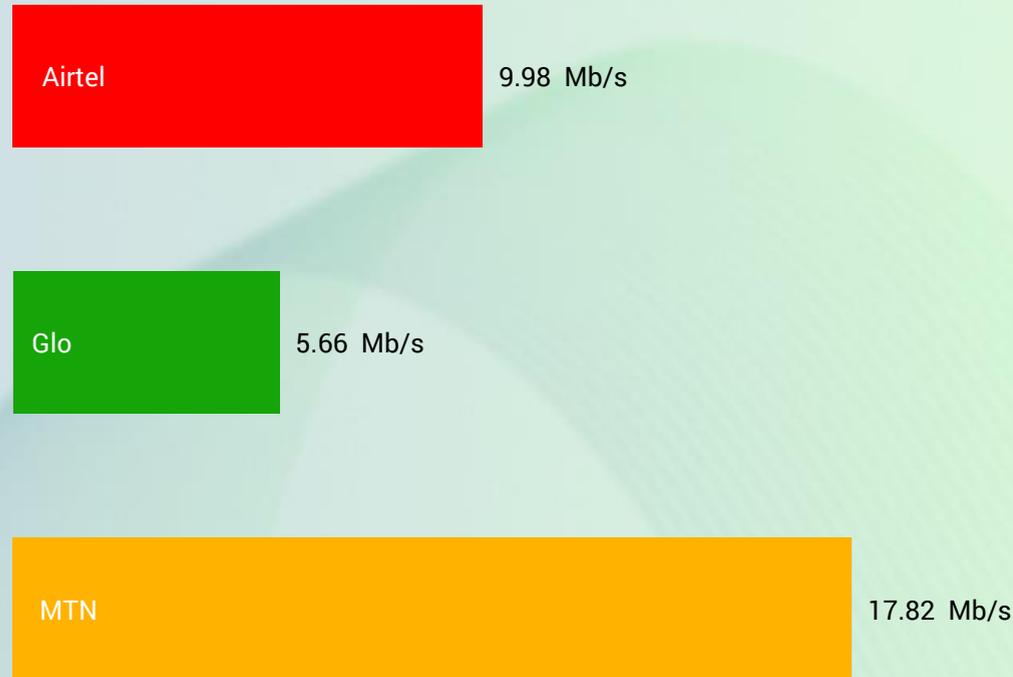
Streaming performance rate (average) evolution over the year



Source : nperf.com



Download Speed (average)



Source : nperf.com

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

Download Speed results ventilation (average)



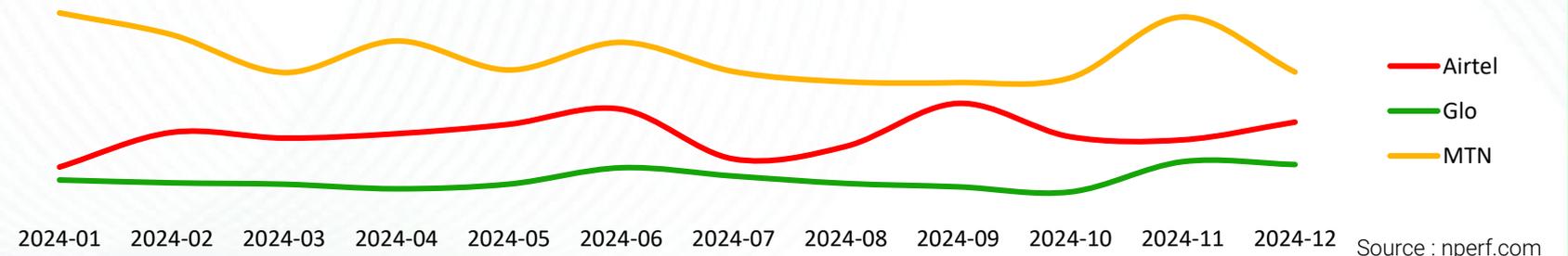
Source : nperf.com

Download Speed (average)



Source : nperf.com

Download Speed evolution over the year (average)



Source : nperf.com



Upload Speed (average)



Source : nperf.com

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

Upload Speed results ventilation (average)



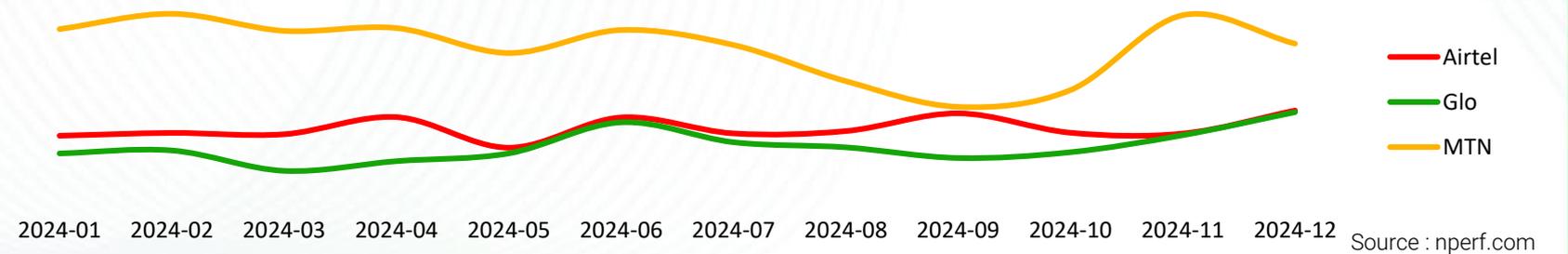
Source : nperf.com

Upload Speed (average)



Source : nperf.com

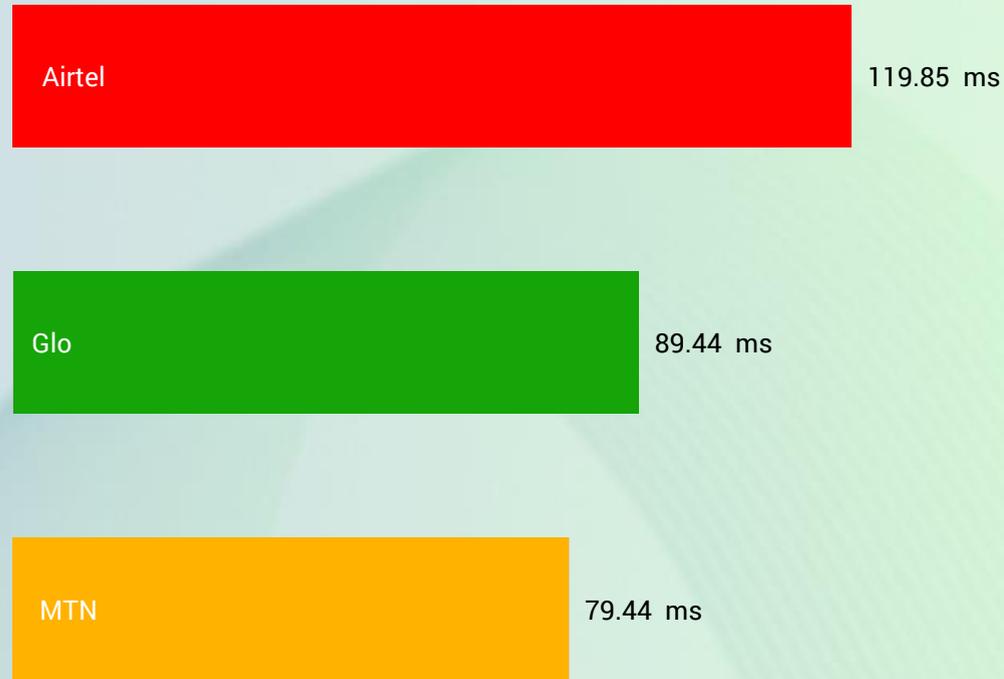
Upload Speed evolution over the year (average)



Source : nperf.com



Latency Speed (average)



Source : nperf.com

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

Latency Speed results ventilation (average)



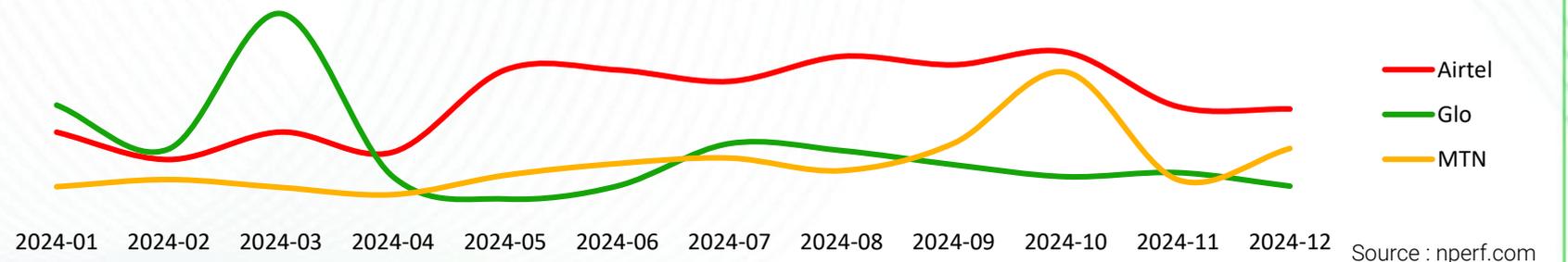
Source : nperf.com

Latency Speed (average)



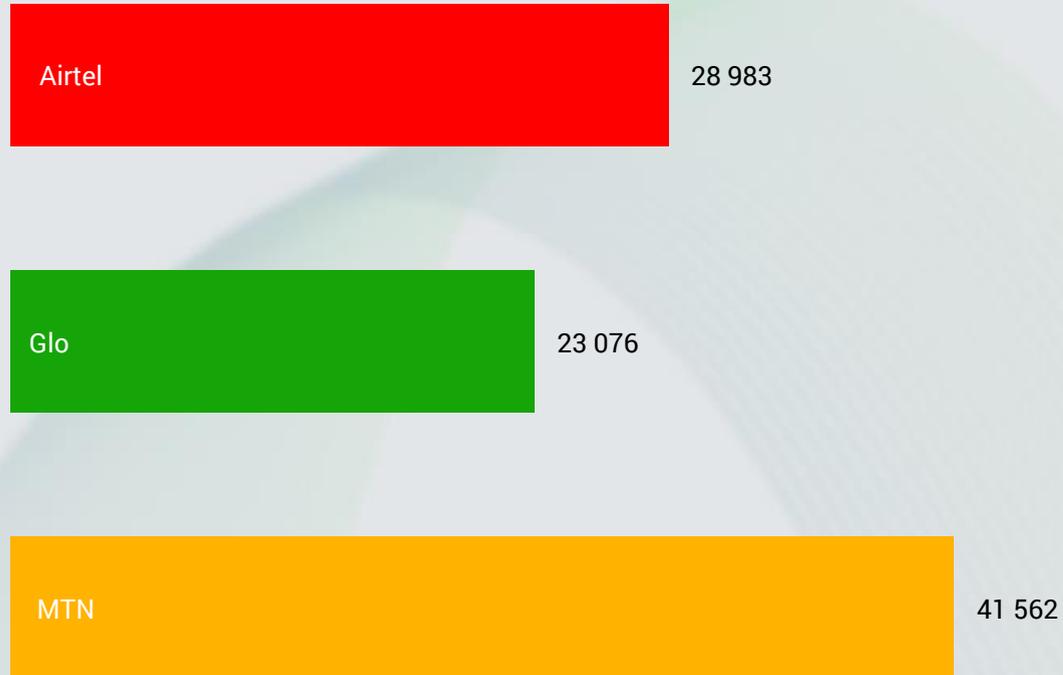
Source : nperf.com

Latency Speed evolution over the year (average)



Source : nperf.com

nPerf Score (nPoints)

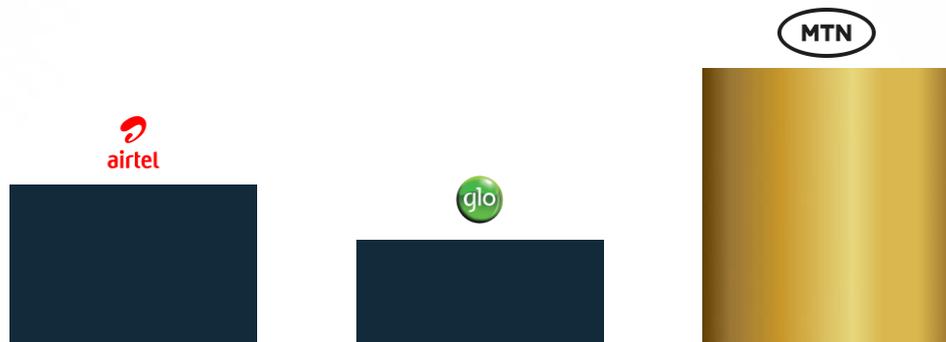


Source : nperf.com

The subscribers of MTN enjoyed the best 4G Internet performances in 2024.

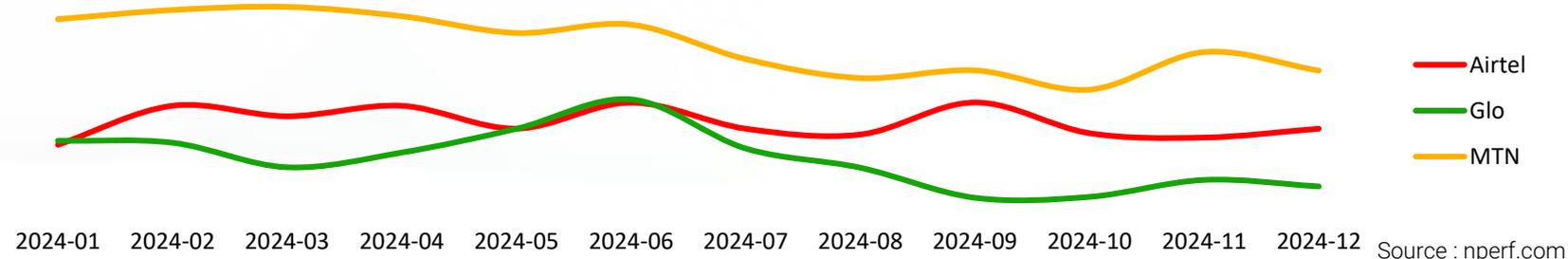
- Best performances 4G: MTN
- Best web browsing performances 4G: MTN
- Best video streaming performances 4G: MTN
- Fastest performances (Download) 4G: MTN
- Fastest performances (Upload) 4G: MTN
- 4G connections with the lowest latency: MTN

Source : nperf.com



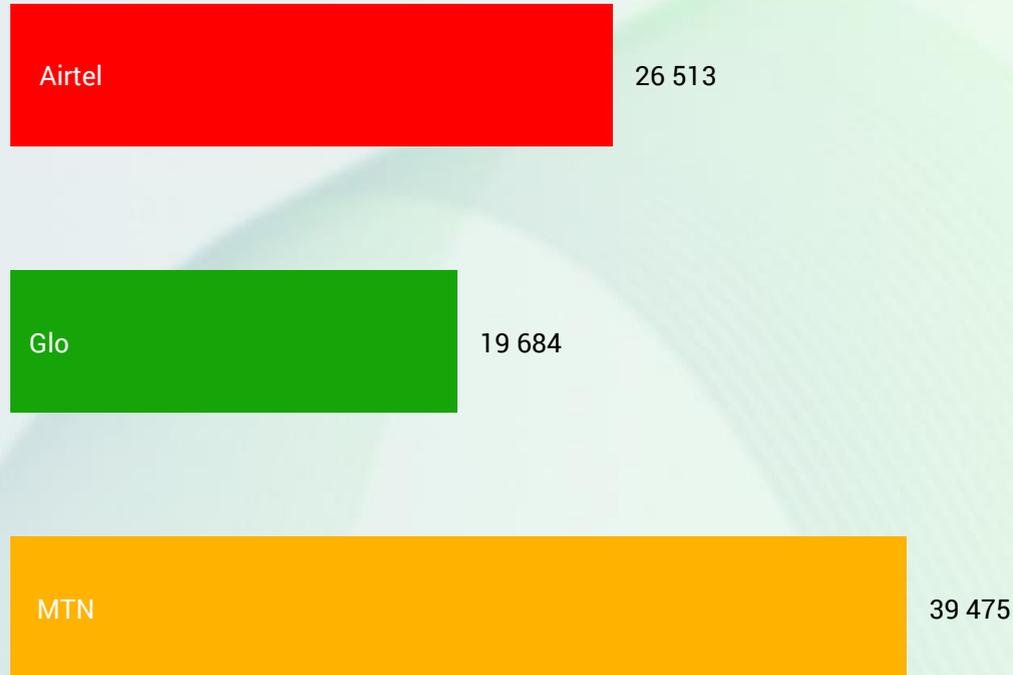
Source : nperf.com

nPerf score evolution over the year (average)



Source : nperf.com

nPerf Score (nPoints)



Source : nperf.com

The subscribers of MTN enjoyed the best mobile Internet performances in 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.

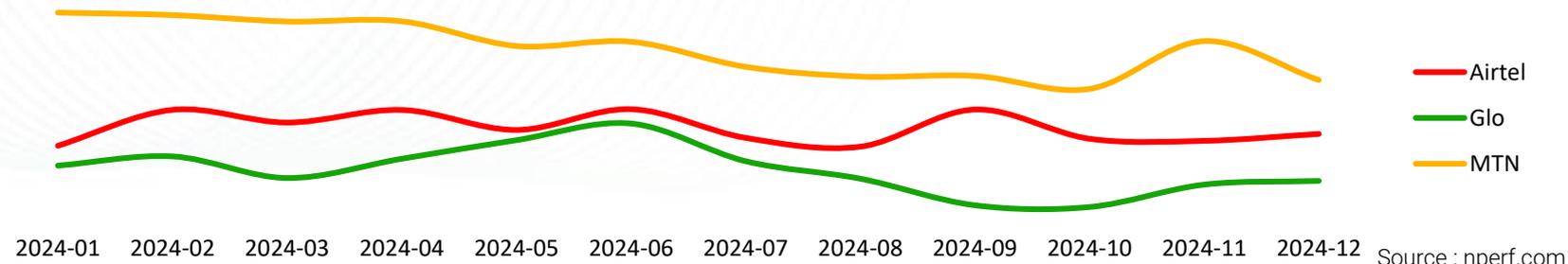
Source : nperf.com

MTN
Best mobile Internet performance in 2024



Source : nperf.com

nPerf score evolution over the year (average)



Source : nperf.com

The background features a series of thin, light-colored wavy lines that create a sense of motion and depth, set against a dark blue background.

nperf