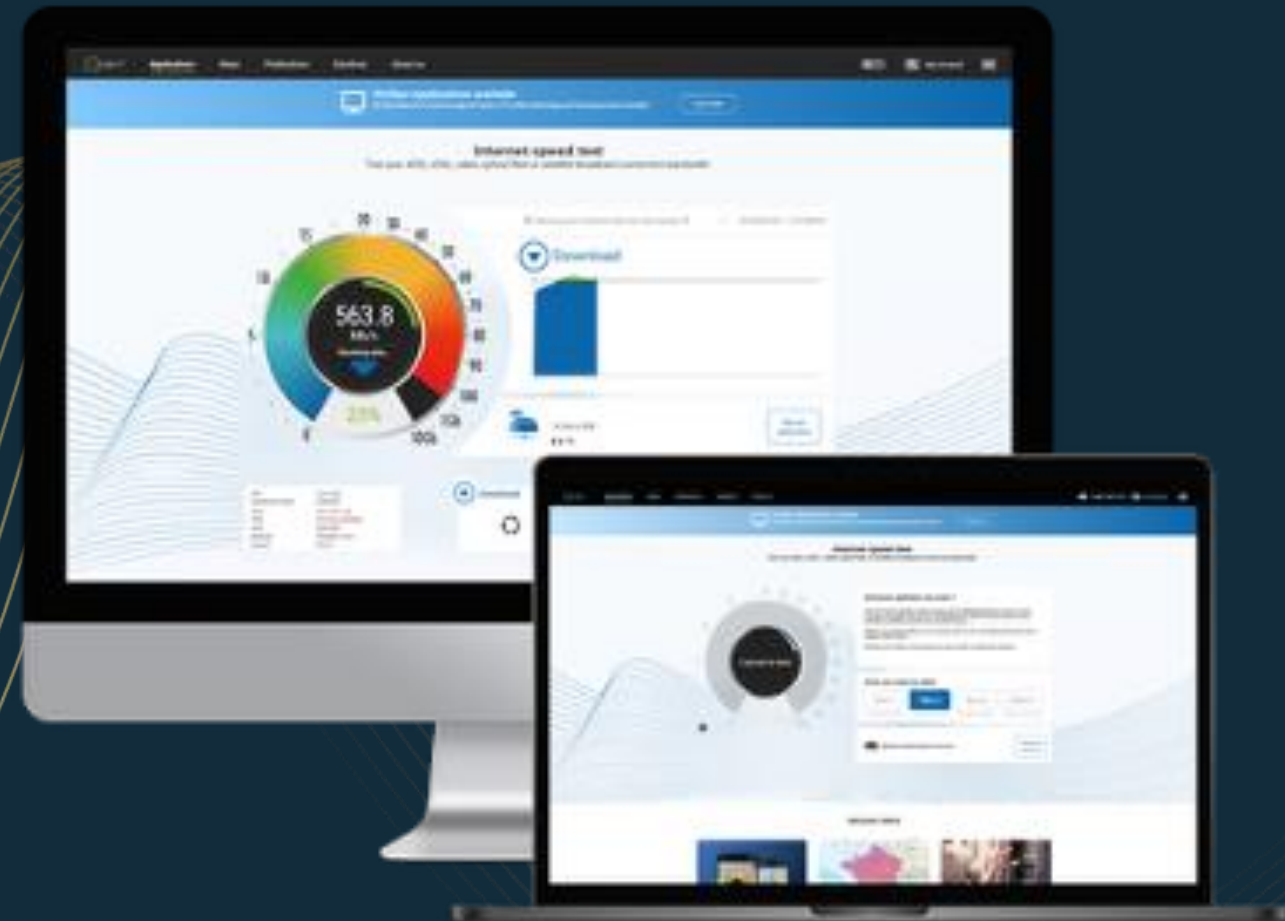




Barometer of fixed Internet connections in Spain

04/01/2025 - 03/31/2026



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**nPerf Network
assessment**



An independent authority in network performance

nPerf is an independent French Internet performance measurement platform, powered by real user experience. By turning millions of individual measurements into connectivity insights, nPerf helps operators enhance their networks and contributes to building a faster, more reliable Internet for everyone.

 **300k+** tests daily worldwide.

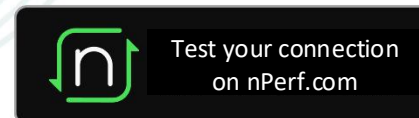
 **26Md+** coverage scans in total.

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

A comprehensive suite of tools to measure real-world connectivity

nPerf provides a complete ecosystem of complete measurement tools designed to capture the true quality of fixed, mobile, and Wi-Fi connections with precision, reaching speeds of up to 10 Gbps.

Users test. Operators learn. Everyone benefits.



2. Executive Summary



The subscribers of MasOrange enjoyed the best Fixed Internet performances in 2026 in Spain.

Fixed Internet performance in Spain

	Digi	MasOrange	Movistar	Vodafone
▼ Download bitrates (Mb/s)	350.85	291.94	289.78	314.99
▲ Upload bitrates (Mb/s)	291.22	270.52	256.82	231.00
◀▶ Latency (ms)	25.50	20.26	28.03	26.32
🌐 Web browsing (%)	73.29	77.92	77.70	78.05
📺 Youtube streaming (%)	80.75	84.63	85.19	85.25
nPerf Score (nPoints)	128 064	135 819	130 676	132 390

Source: nPerf.com



Best Fixed Internet performance in 2026



Source: nPerf.com


nPerf Podium



Source: nPerf.com

The subscribers of Digi and MasOrange enjoyed the best WIFI Internet in 2026 in Spain.

Fixed Internet performance in Spain

	<u>Digi</u>	<u>MasOrange</u>	Movistar	Vodafone
▼ Download bitrates (Mb/s)	258.22	235.50	217.27	214.65
▲ Upload bitrates (Mb/s)	227.37	203.85	180.44	149.71
◀▶ Latency (ms)	22.64	21.20	28.65	28.48
🌐 Web browsing (%)	79.46	79.22	78.60	78.64
📺 Youtube streaming (%)	85.95	85.84	85.68	85.54
 nPerf Score (nPoints)	133 791	132 619	125 436	124 101

Source : nPerf.com

The subscribers of Digi enjoyed the best FTTH Internet in 2026 in Spain.

Fixed Internet performance in Spain

	Digi	MasOrange	Movistar	Vodafone
▼ Download bitrates (Mb/s)	597.36	460.36	483.08	479.04
▲ Upload bitrates (Mb/s)	528.62	446.40	442.91	415.24
◀▶ Latency (ms)	16.00	16.54	22.89	21.56
🌐 Web browsing (%)	84.05	82.80	83.26	82.96
📺 Youtube streaming (%)	89.44	89.32	90.17	89.45
nPerf Score (nPoints)	162 727	156 322	153 196	152 714

Source : nPerf.com

The best fixed-line Internet performances in Spain for 2025–2026 confirm a highly competitive landscape among the country's four main operators. nPerf's latest barometer reveals meaningful shifts in rankings, with MasOrange consolidating its overall leadership while Digi, Vodafone, and Movistar each demonstrate strong technical progress across key performance indicators. This edition highlights a sector increasingly difficult to separate at the top, with improvements in Download speed (Mb/s) standing out as a shared trend across the board.

MasOrange: A Consistent Leader Holding Its Ground

MasOrange has now established itself as Spain's top-performing fixed-line operator in the overall category for two consecutive years, achieving a score of 135,819 – a position it already held in the previous period (136,671). This continuity speaks to the reliability of its network. Most notably, MasOrange leads overall on Latency (ms) with 20.26 ms, improving on its already best-in-class result of 17.57 ms from the prior year – a metric that directly impacts the user experience for gaming, video calls, and real-time applications. It also ranks first overall in Web Browsing (%) (77.92) and claims the top spot in Youtube streaming (%) (84.63) for the first time, a new achievement that reinforces its well-rounded performance profile. On FTTH specifically, MasOrange climbs to second place with a score of 156,322, up significantly from fourth place (150,582) the previous year, driven by strong gains in Upload speed (Mb/s) (446.40) and Download speed (Mb/s) (460.36).

Vodafone: The Strongest Technical Leap of the Year

Vodafone ranks second overall with a score of 132,390, edging up slightly from 132,227 in the prior period. The headline story for Vodafone this year is its remarkable improvement in Upload speed (Mb/s), which surged from 179.39 to 231.00 Mb/s overall – a gain of approximately +29%, the most significant progression of any operator on this indicator. On FTTH, Vodafone also posted impressive growth in Download speed (Mb/s) (479.04, up from 407.90) and Upload speed (Mb/s) (415.24, up from 354.39). Vodafone also maintains multi-year leadership in Web Browsing (%) and Youtube streaming (%) overall, now entering its third consecutive year at the top of both indicators – a consistency that signals genuine network quality in daily usage conditions. The overall score trajectory also reflects a sustained upward trend over five years, reinforcing Vodafone's long-term investment in its infrastructure.

Movistar: Steady Progress Across the Board

Movistar holds third place overall with a score of 130,676, marginally down from 131,140 in the previous period, yet its metrics tell a more positive story. Download speed (Mb/s) grew from 265.05 to 289.78 Mb/s overall – an improvement of approximately +9% – reflecting meaningful capacity upgrades. On FTTH, Movistar records 483.08 Mb/s in Download speed (Mb/s), its strongest result to date and second in the FTTH ranking. Movistar's five-year score progression remains unbroken overall, a rare distinction in such a competitive sector. The operator also maintains a top position in Web Browsing (%) and Youtube streaming (%) overall for the second consecutive year, demonstrating stability in the indicators most closely tied to everyday user satisfaction.

Digi: The Speed Champion Pushing the Sector Forward

Digi secures fourth place in the overall ranking with a score of 128,064, down from 130,322 in the previous period, but its raw performance remains outstanding. The operator leads overall in both Download speed (Mb/s) (350.85 Mb/s, up +11% from 315.15) and Upload speed (Mb/s) (291.22 Mb/s, up from 281.72) – a dominance it has held across five consecutive years on both indicators. On FTTH, Digi is unmatched: 597.36 Mb/s in Download speed (Mb/s) and 528.62 Mb/s in Upload speed (Mb/s), both ranked first, alongside the best Latency (ms) (16.00 ms) and top scores in Web Browsing (%) and Youtube streaming (%) within that technology. On WiFi, Digi also claims the top score (133,791), leading in Download and Upload speed (Mb/s). The gap between Digi's exceptional throughput performance and its overall score suggests that experience-based metrics – where larger operators still hold an edge – will be the key battleground going forward.

What to Watch in 2026: A Sector With No Room for Complacency

The Spanish fixed-line sector is entering a phase of intense convergence at the top. MasOrange must defend its overall lead on Latency (ms) while sustaining its newfound strength in Youtube streaming (%) – two pillars that define premium network perception. For Vodafone, the priority will be to confirm whether its Upload speed (Mb/s) gains translate into a durable ranking improvement, and to close the gap on Latency (ms) – currently its weakest indicator at 26.32 ms overall. Movistar's consistent five-year trajectory is an asset, but narrowing the Latency (ms) gap (28.03 ms overall, ranked last) will be essential to challenge for the top two spots. Digi, despite its unmatched speeds, needs to improve Web Browsing (%) and Youtube streaming (%) scores – both ranked last overall – if it is to convert raw infrastructure power into overall leadership. With all four operators improving in Download speed (Mb/s) simultaneously, the next edition of the nPerf barometer is set to be the most closely contested yet.

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

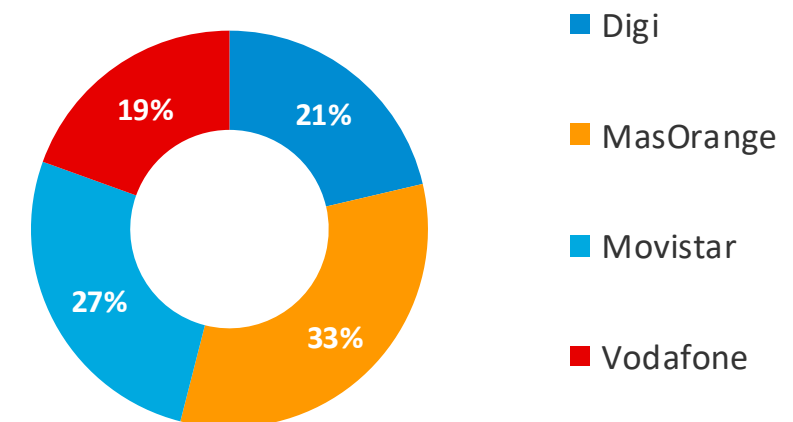
The video streaming test gauges the load time of a fully loaded video in three resolutions on YouTube, considering stalls during playback. This indicator reflects the perceived quality by the user.

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 0.5% 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 takes into account 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)



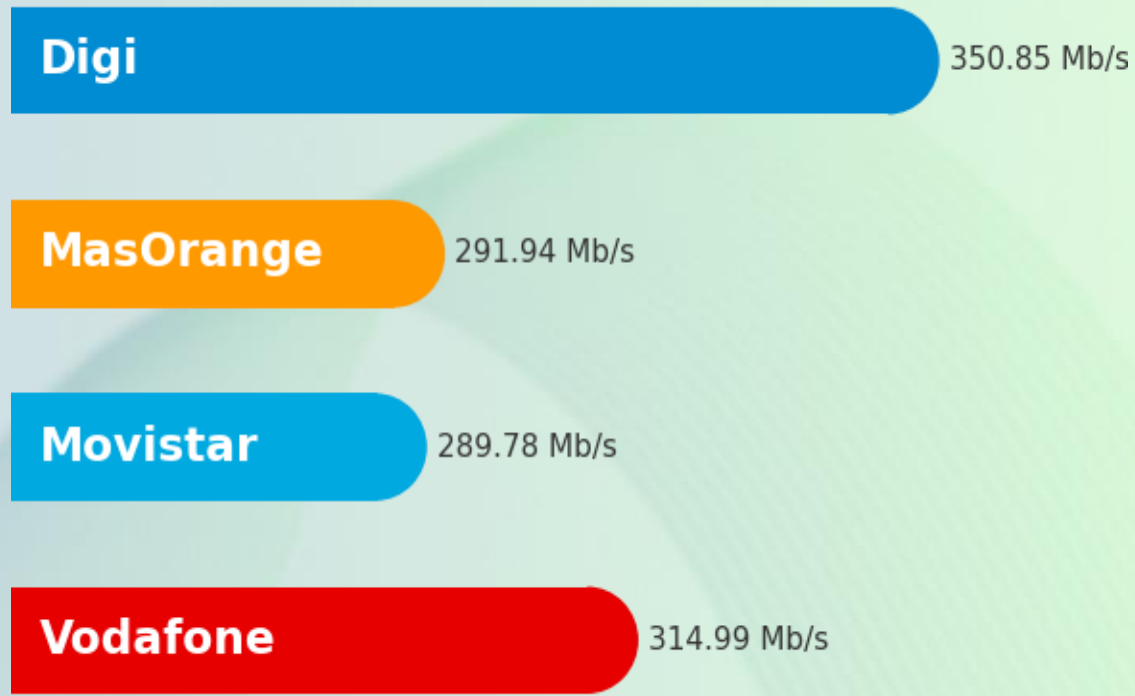
Source: nPerf.com



Download Speed



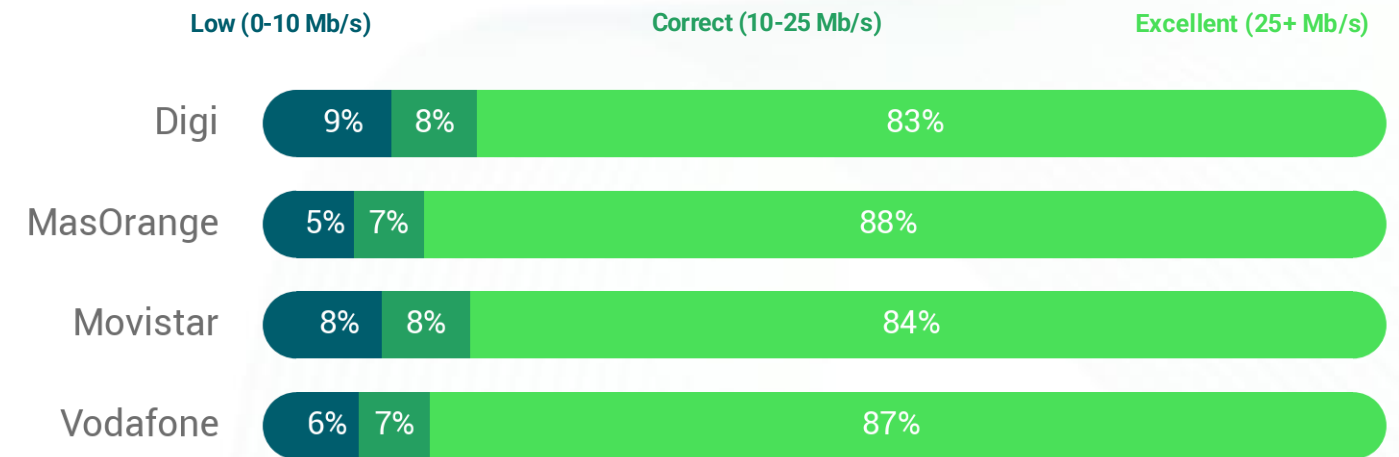
Download Speed (average)



Source: nPerf.com

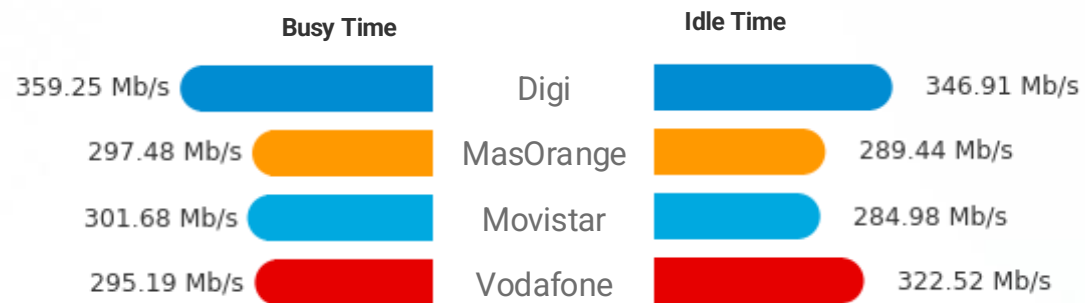
The subscribers of Digi enjoyed the best Fixed Internet Download Speed in 2026.

Download Speed results distribution (average)



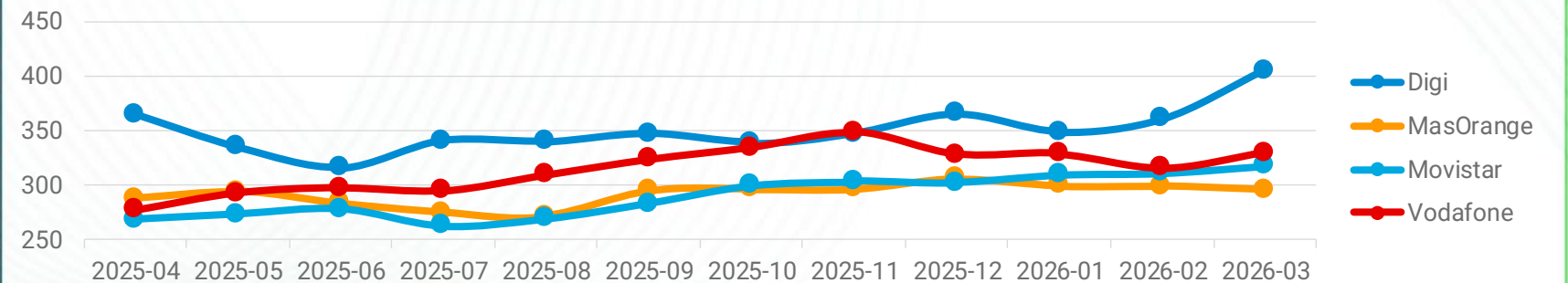
Source: nPerf.com

Download Speed (average)



Source: nPerf.com

Download Speed evolution over the year (average)



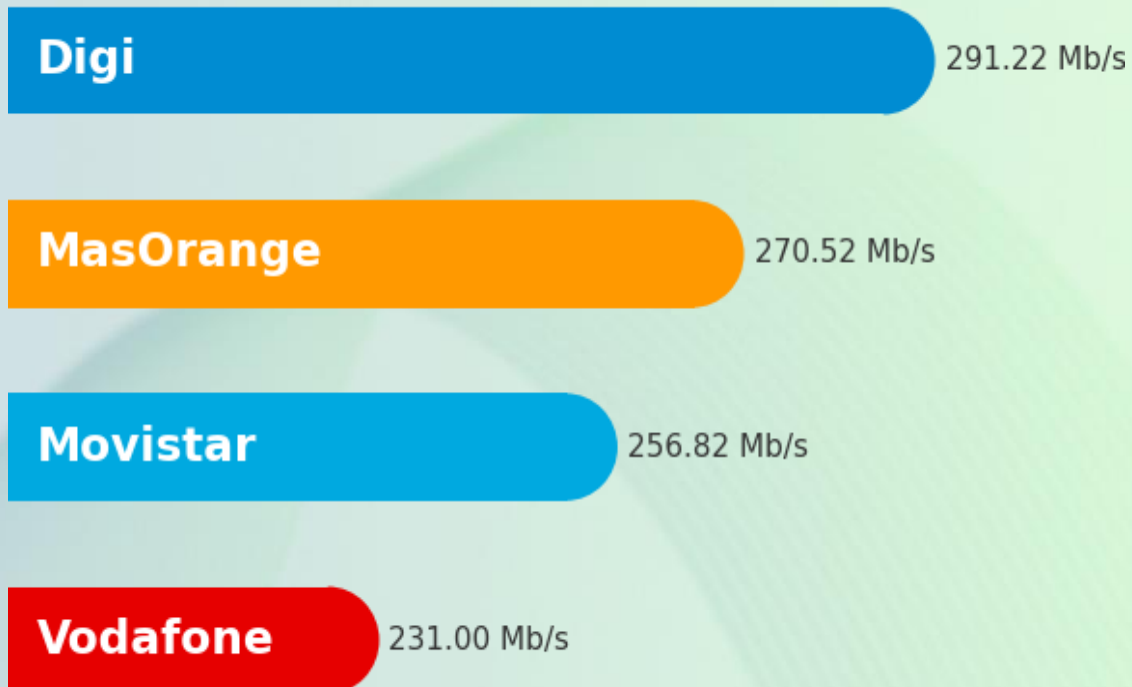
Source: nPerf.com



Upload Speed



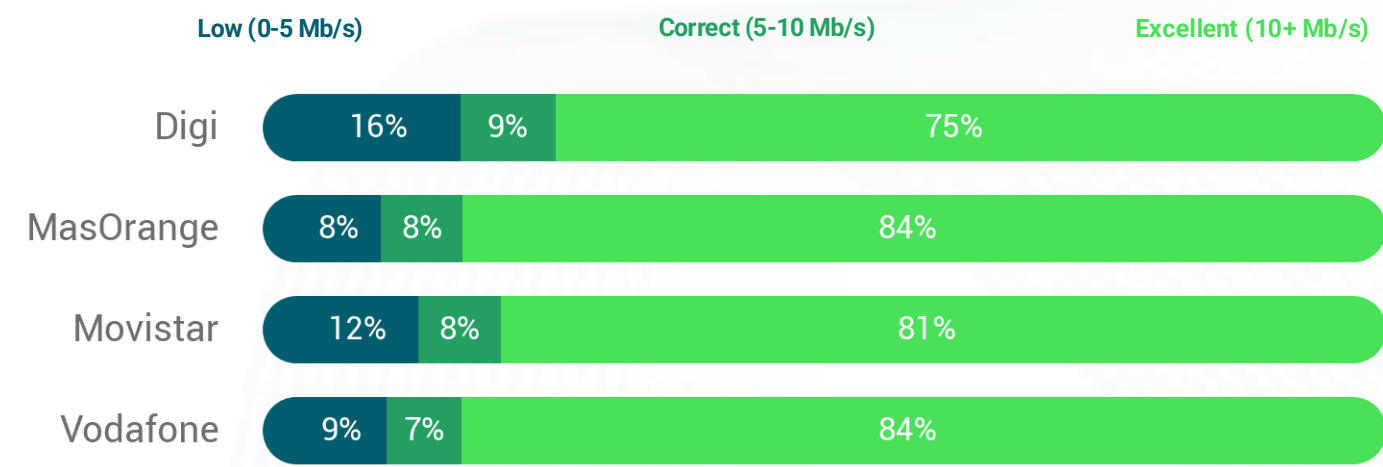
Upload Speed (average)



Source: nPerf.com

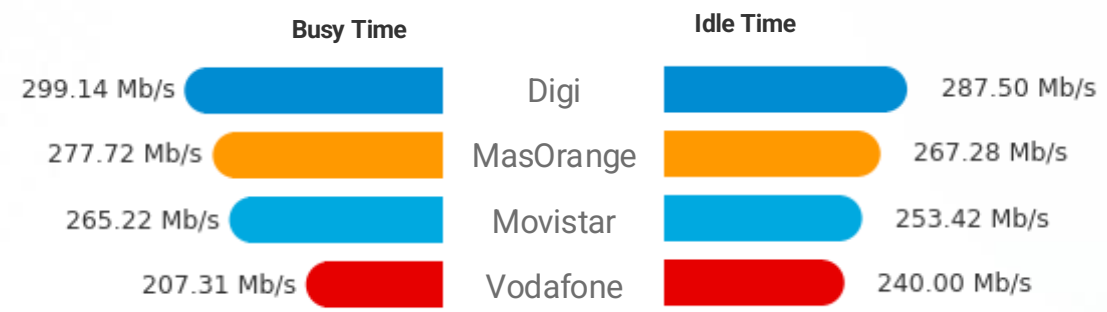
The subscribers of Digi enjoyed the best Fixed Internet Upload Speed in 2026.

Upload Speed results distribution (average)



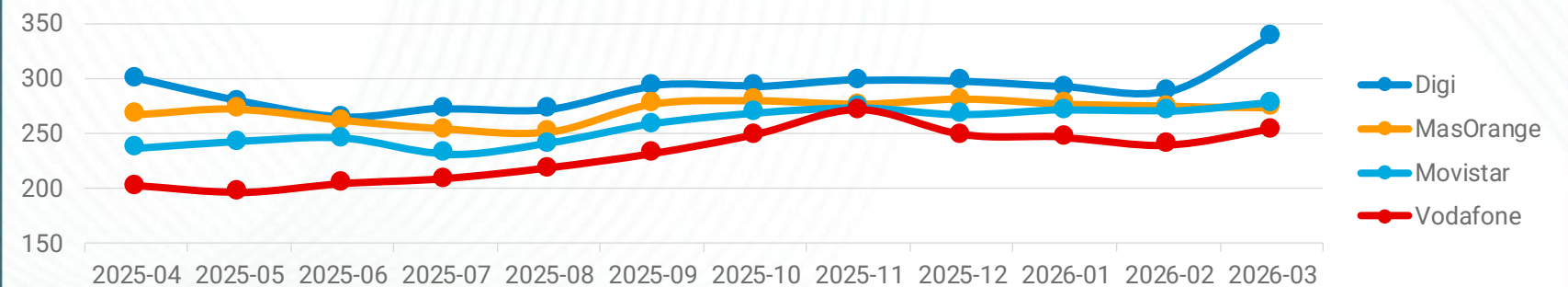
Source: nPerf.com

Upload Speed (average)



Source: nPerf.com

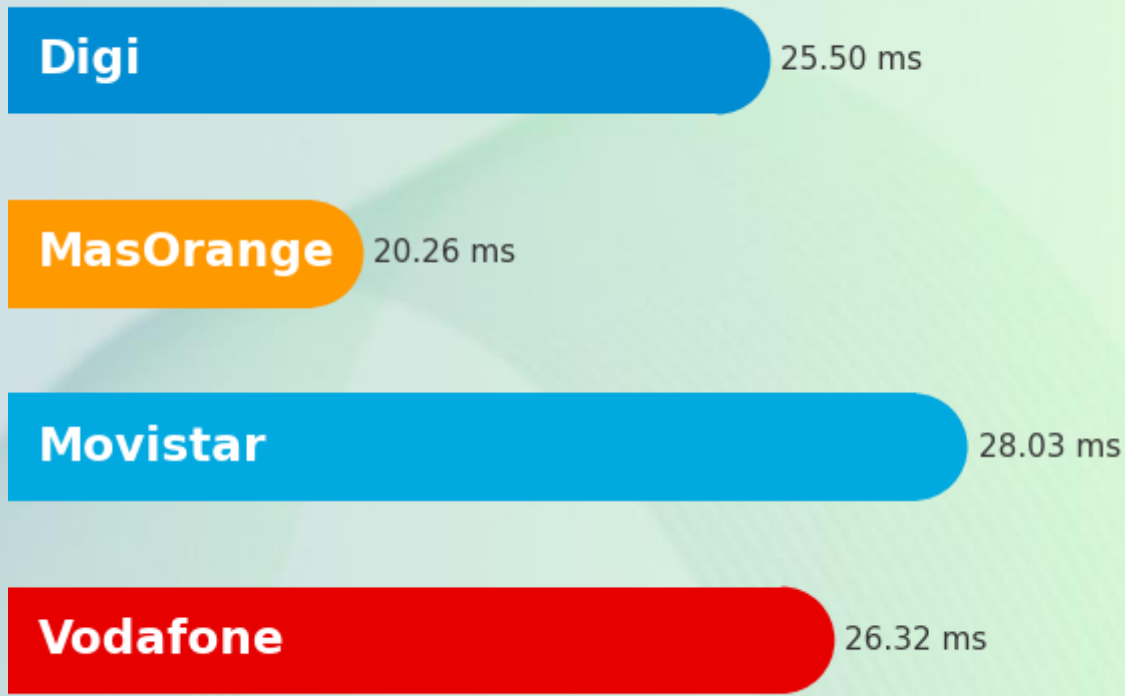
Upload Speed evolution over the year (average)



Source: nPerf.com



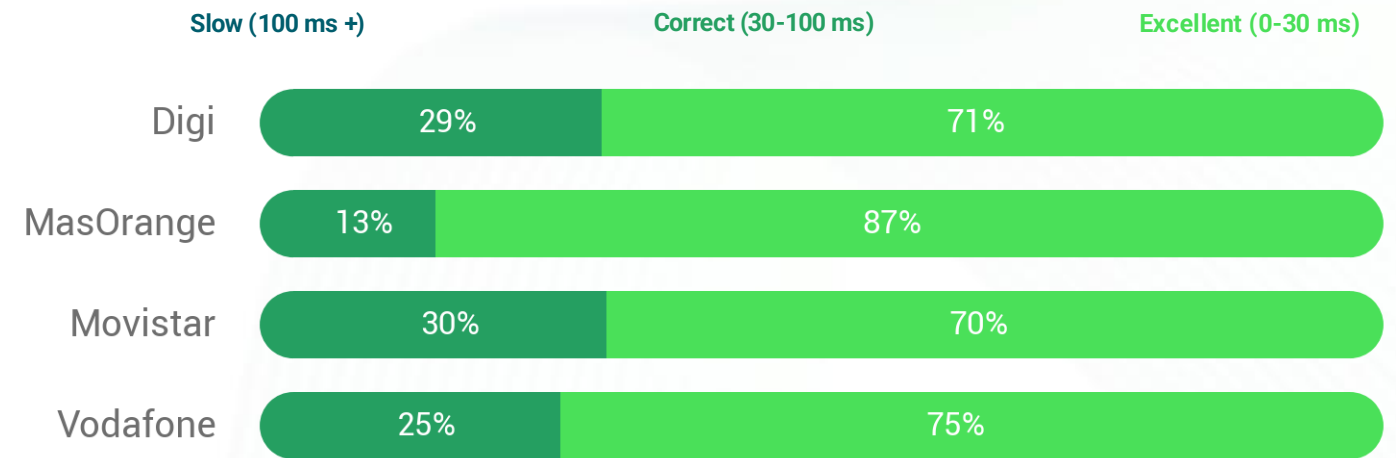
Latency (average)



Source: nPerf.com

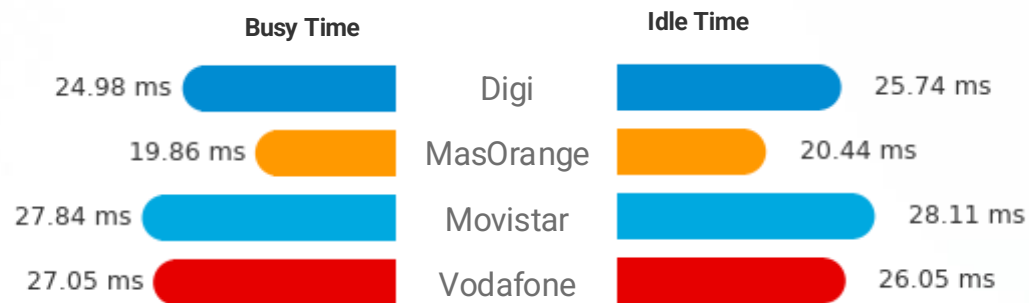
The subscribers of MasOrange enjoyed the best Fixed Internet Latency in 2026.

Latency results distribution (average)



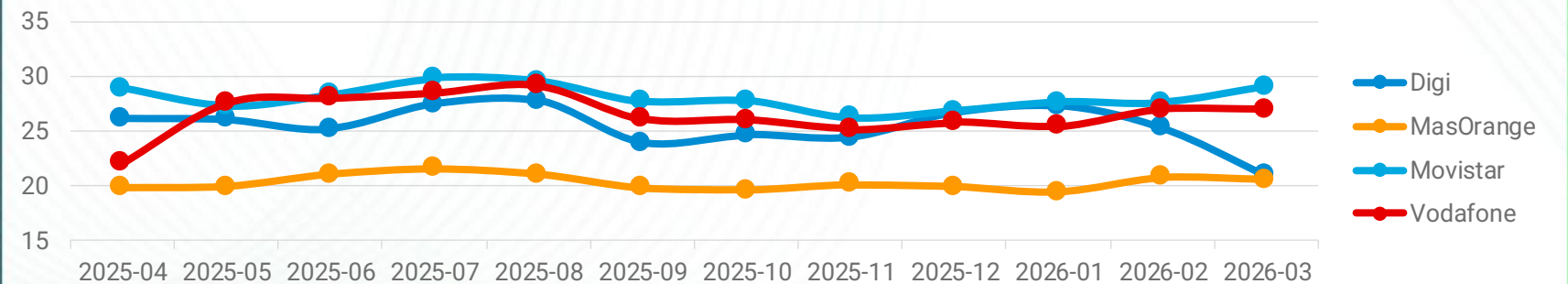
Source: nPerf.com

Latency (average)



Source: nPerf.com

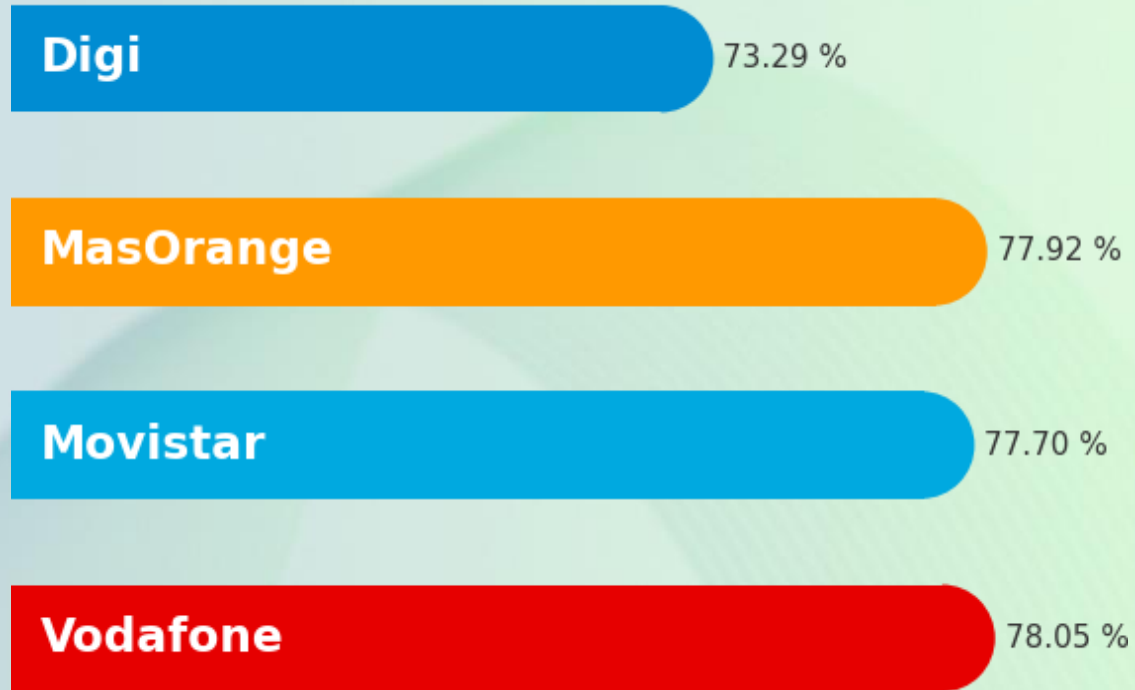
Latency evolution over the year (average)



Source: nPerf.com



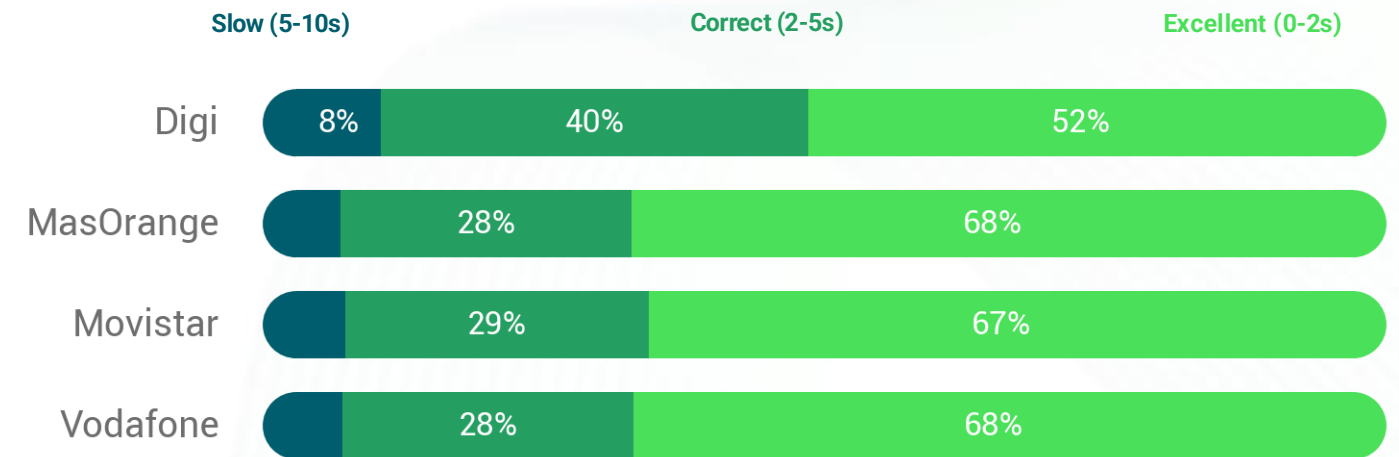
Browsing Performance (average)



Source : nPerf.com

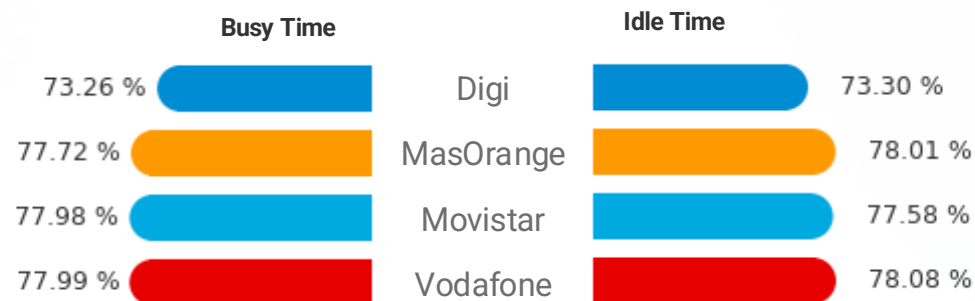
The subscribers of MasOrange, Movistar and Vodafone enjoyed the best Fixed Internet Browsing Performance in 2026.

Browsing Performance results distribution (average)



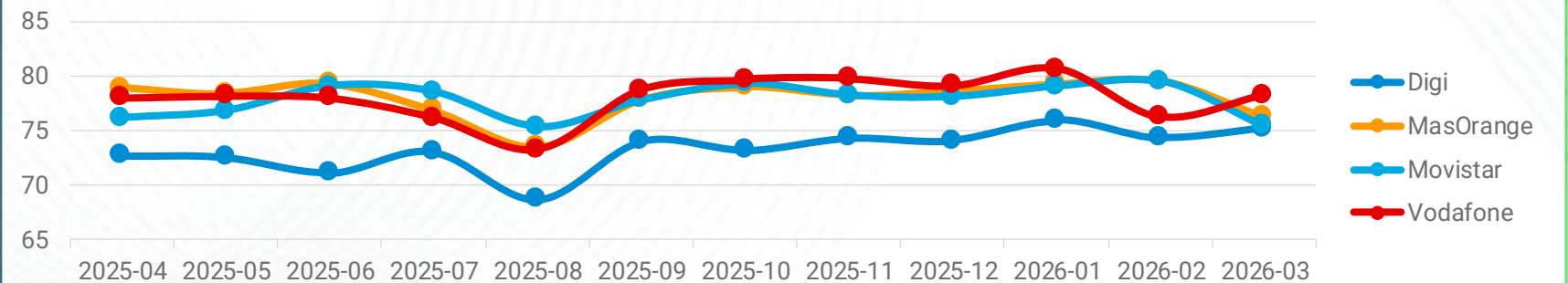
Source : nPerf.com

Browsing Performance (average)



Source : nPerf.com

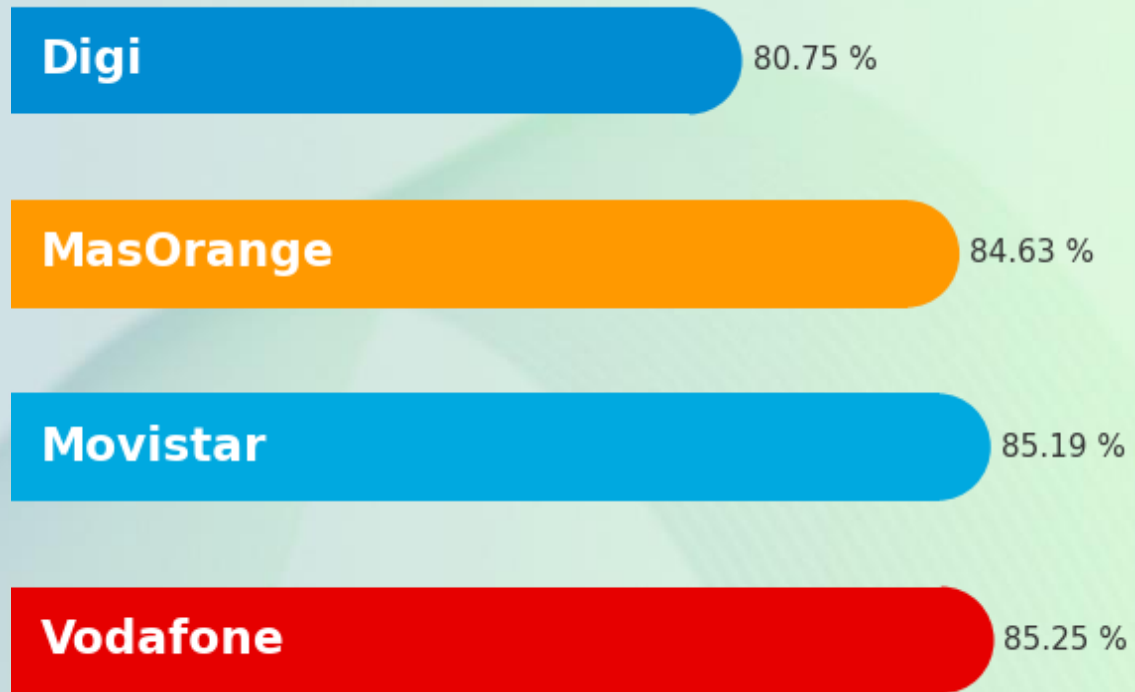
Browsing Performance evolution over the year (average)



Source : nPerf.com



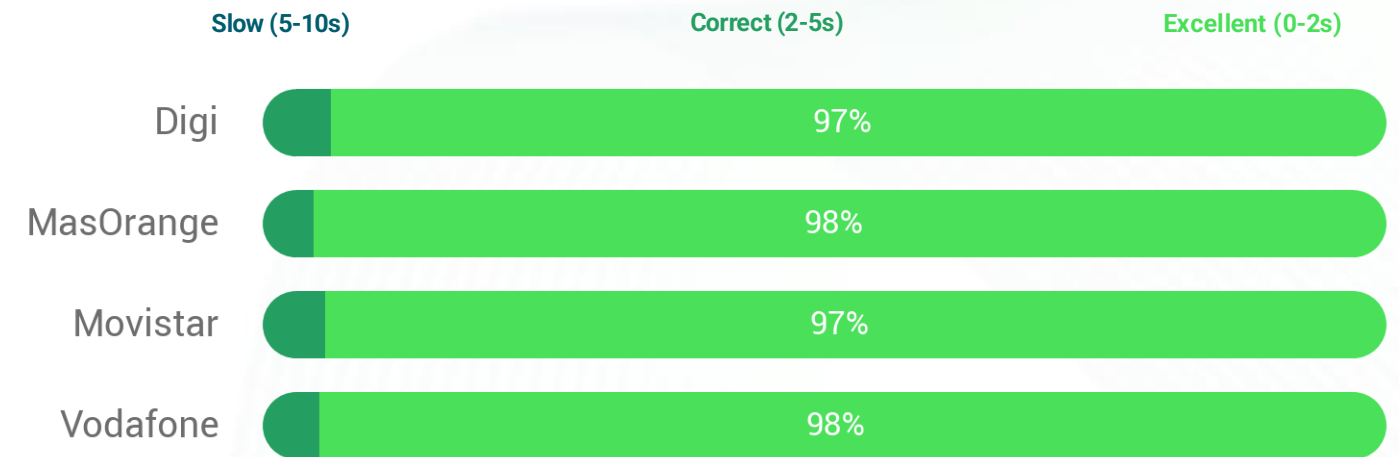
Streaming Performance (average)



Source : nPerf.com

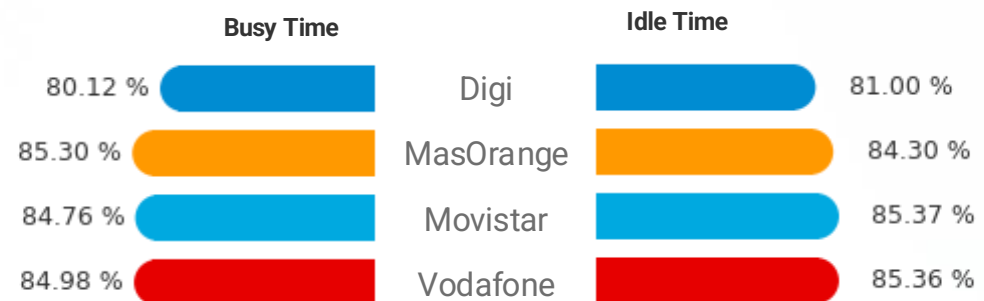
The subscribers of MasOrange, Movistar and Vodafone enjoyed the best Fixed Internet Streaming Performance in 2026.

Streaming Performance results distribution (average)



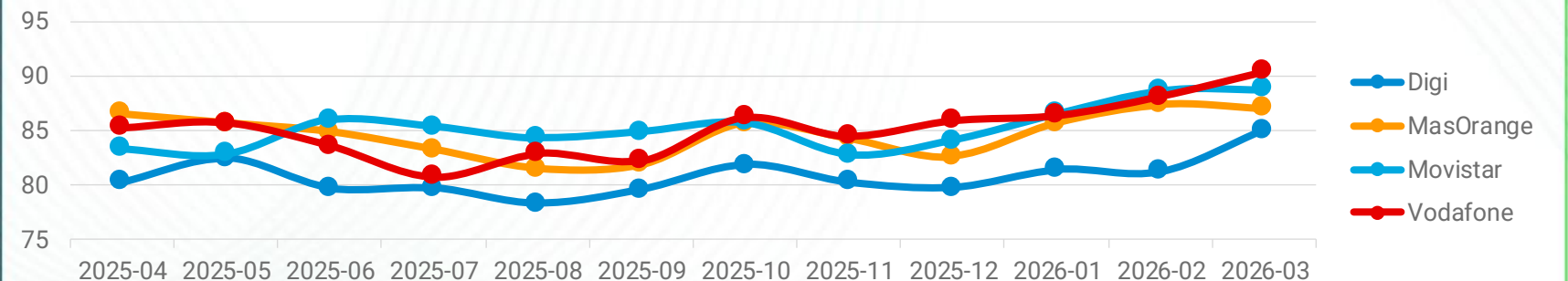
Source : nPerf.com

Streaming Performance (average)



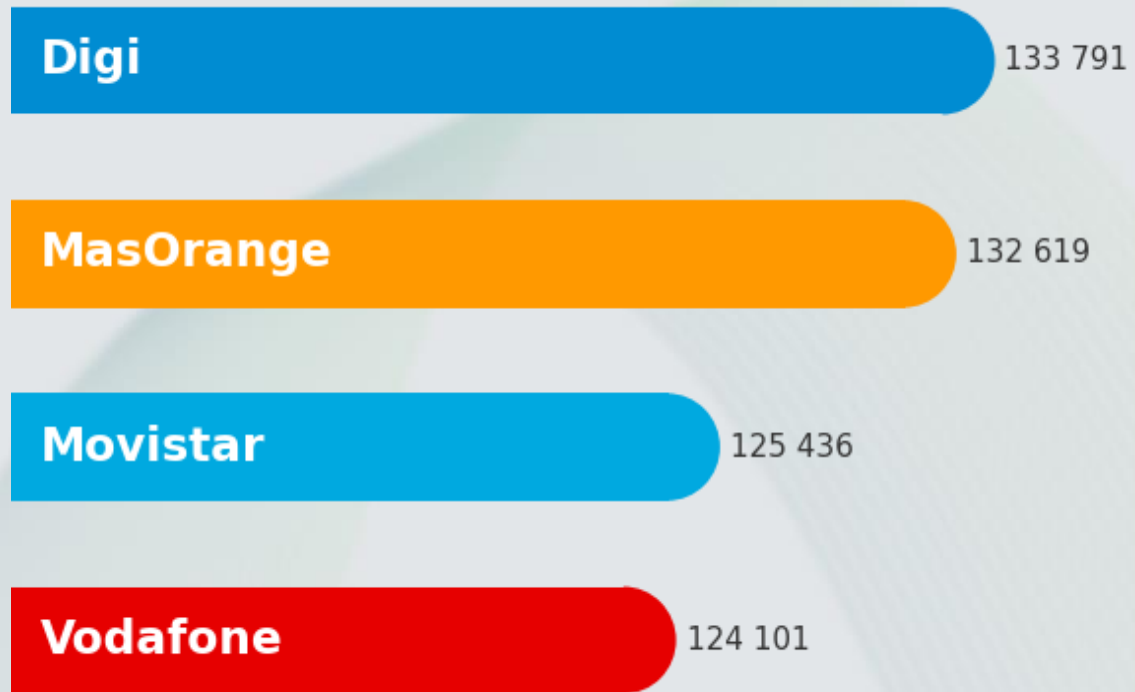
Source : nPerf.com

Streaming Performance evolution over the year (average)



Source : nPerf.com

nPerf Score (nPoints)



Source: nPerf.com

The subscribers of Digi and MasOrange enjoyed the best WIFI Internet in 2026.

Best performances WIFI: Digi and MasOrange

Fastest performances (Download Speed) WIFI: Digi

Fastest performances (Upload Speed) WIFI: Digi

WIFI connections with the lowest latency: MasOrange

Best web browsing performances WIFI: Digi, MasOrange, Movistar and Vodafone

Best streaming performances WIFI: Digi, MasOrange, Movistar and Vodafone

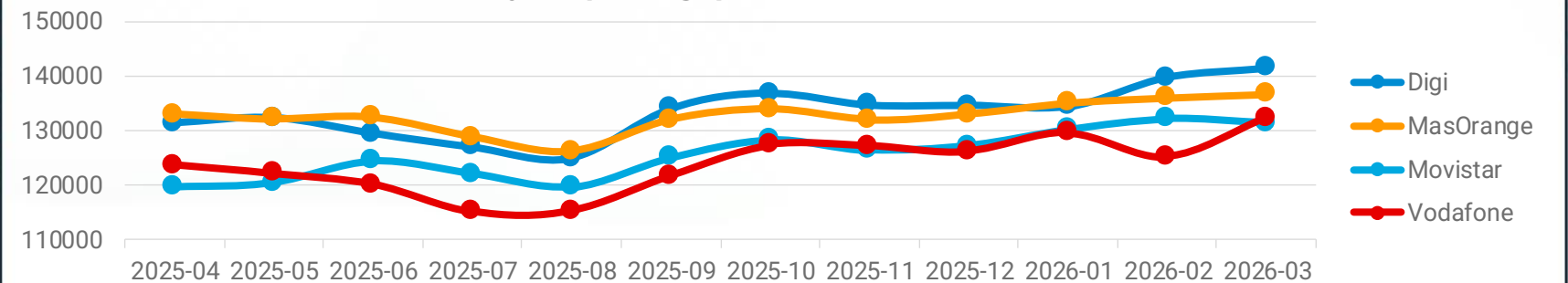
Source: nPerf.com

nPerf Podium



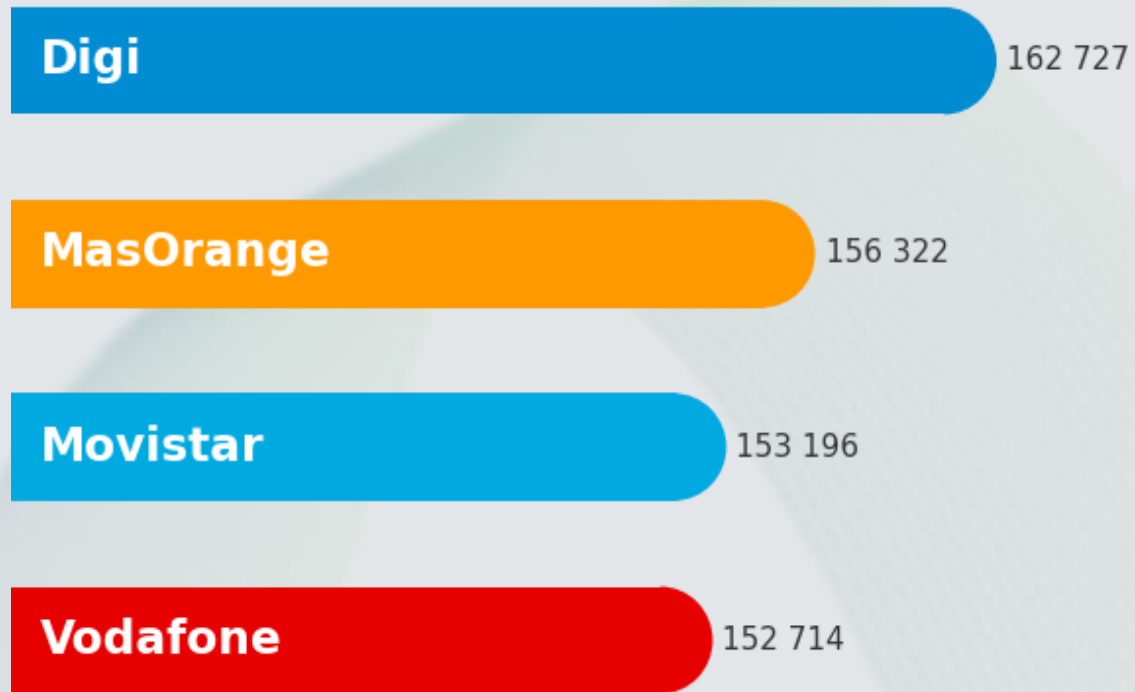
Source: nPerf.com

nPerf Score evolution over the year (average)



Source: nPerf.com

nPerf Score (nPoints)



Source: nPerf.com

The subscribers of Digi enjoyed the best FTTH Internet in 2026.

Best performances FTTH: Digi

Fastest performances (Download Speed) FTTH: Digi

Fastest performances (Upload Speed) FTTH: Digi

FTTH connections with the lowest latency: Digi

Best web browsing performances FTTH: Digi and Movistar

Best streaming performances FTTH: Digi and Movistar

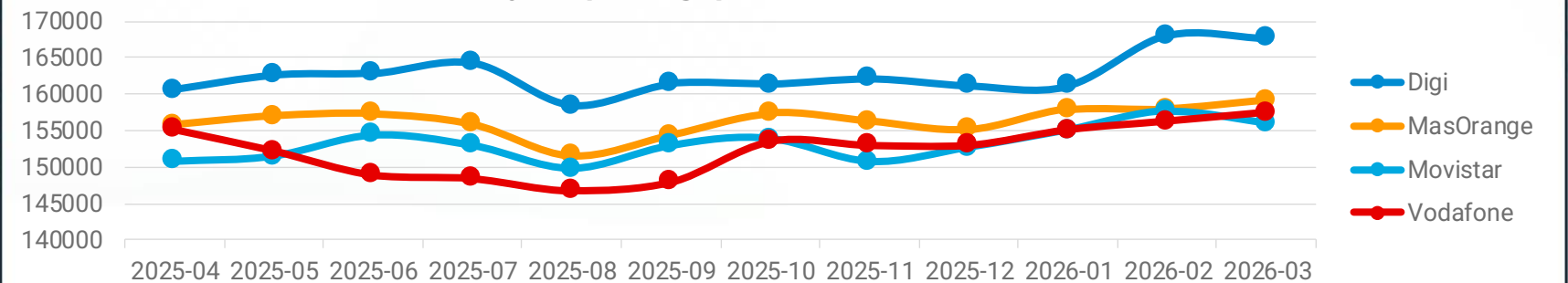
Source: nPerf.com

nPerf Podium



Source: nPerf.com

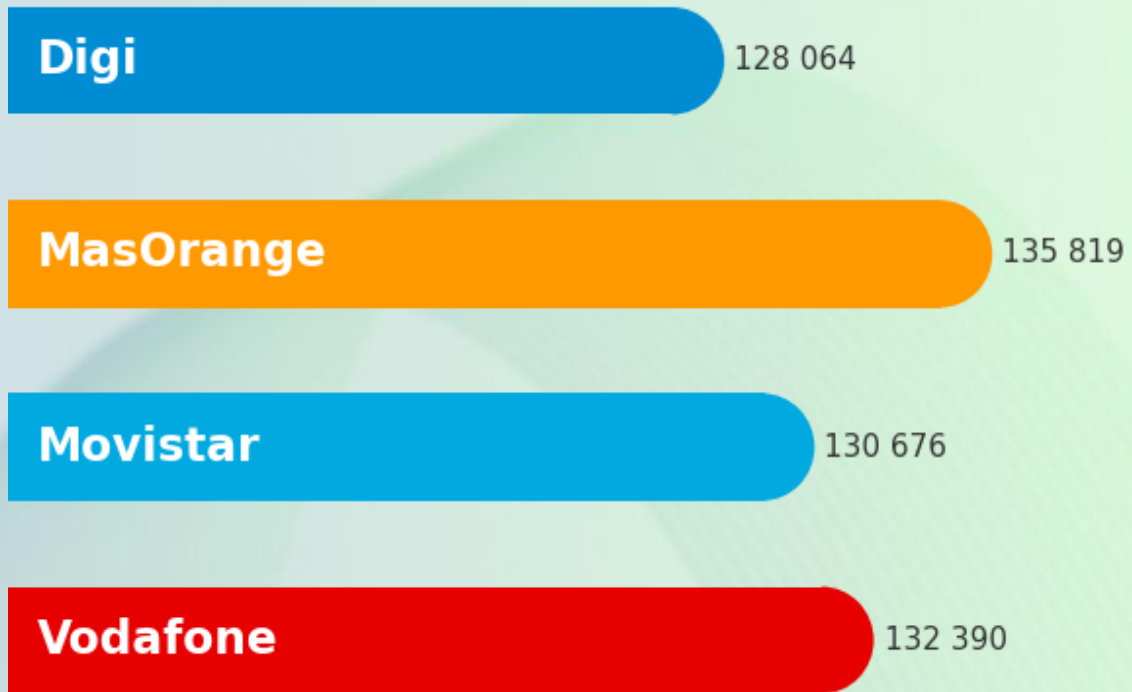
nPerf Score evolution over the year (average)



Source: nPerf.com



nPerf Score (nPoints)



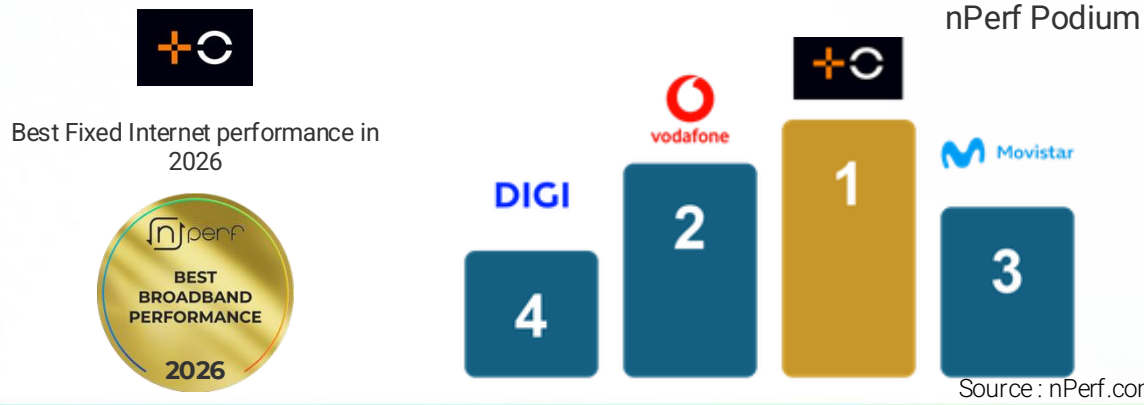
Source: nPerf.com

The subscribers of MasOrange enjoyed the best Fixed Internet performances in 2026.

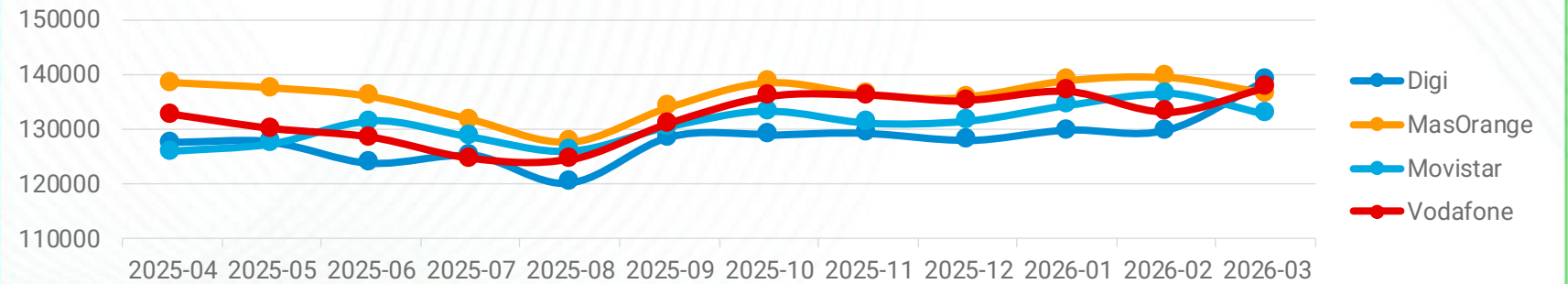
The nPerf score takes into account the measured bitrates, the latency and the QoE tests. The value of the points for the rates and the latency is calculated on a logarithmic scale, to better represent the perception of the user.

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



We qualify your connection