07/16/2025

Barometer of mobile Internet connections in Bangladesh

07/01/2024 - 06/30/2025



Agenda

1. Introducing nPerf
2. Executive summary
3. Analysis
4. Methodology
5. nPerf Network assesment

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!

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Test your connection on nPerf.com

2. Executive Summary

The subscribers of GrameenPhone enjoyed the best mobile Internet performances in 2025.

Mobile Internet connections in Bangladesh

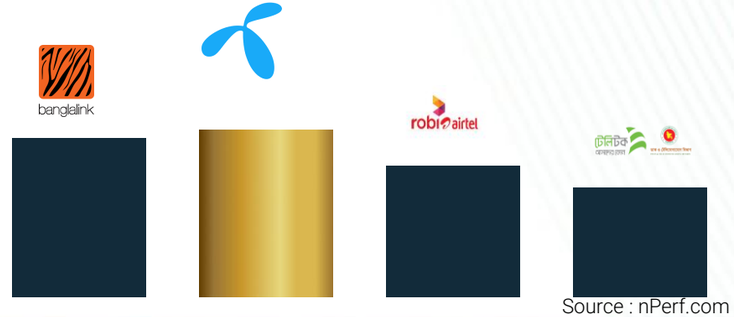
	Banglalink	GrameenPhone	Robi Airtel	TeleTalk
Download bitrates (Mb/s)	22.24	20.85	22.61	11.01
Upload bitrates (Mb/s)	7.70	7.91	8.67	5.12
Latency (ms)	41.38	41.36	51.05	42.55
Web browsing (%)	33.46	33.30	22.83	22.57
Youtube streaming (%)	69.13	75.39	64.56	63.06
nPerf Score (nPoints)	43 723	45 884	36 246	30 229

Source : nPerf.com

Best mobile Internet performance in 2025



Source : nPerf.com



Source : nPerf.com

The subscribers of GrameenPhone enjoyed the best 4G Internet performances in Bangladesh in 2025.

4G mobile Internet connections in Bangladesh

	Banglalink	GrameenPhone	Robi Airtel	TeleTalk
Download bitrates (Mb/s)	23.32	22.04	23.49	12.10
Upload bitrates (Mb/s)	8.07	8.37	9.02	5.65
Latency (ms)	40.62	41.37	51.00	41.89
Web browsing (%)	33.64	33.43	22.96	23.06
Youtube streaming (%)	69.56	75.64	64.71	64.46
nPerf Score (nPoints)	44 722	46 761	36 762	31 991

Source : nPerf.com

3. Analysis

Introduction

GrameenPhone maintains its position as the sector leader in Bangladesh's mobile internet landscape, earning the highest overall score among all operators. With a focus on 4G technology, the Bangladeshi sector shows a competitive environment with significant improvements from multiple operators. GrameenPhone leads in latency and video streaming performance, while Robi/Airtel and Banglalink stand out in download speeds. For 4G services specifically, GrameenPhone continues to hold the top position.

GrameenPhone: Consistent sector Leader

GrameenPhone achieves the highest score of 45,884 nPoints, retaining its position as the n°1 mobile operator in Bangladesh. The operator demonstrates strong performance in 4G technology where it maintains its leadership position. GrameenPhone particularly excels in video streaming with a 75.4%, offering users a smooth video content experience. The operator also delivers solid results in latency (41.4 ms), securing the first position in this category, which enables responsive mobile gaming and real-time applications.

Banglalink: Good Performer with Notable Improvements

Banglalink secures the second position with 43,723 nPoints, showing impressive progress across multiple metrics. The operator shares the top position in browsing performance (33.5%) with GrameenPhone, providing users with fast webpage loading times. Banglalink has made significant strides in download speeds, achieving a 43.1% improvement to reach 22.2 Mbps, and upload speeds, with a 48.9% increase. These enhancements allow customers to enjoy faster file transfers and smoother online experiences.

Robi Airtel: Download Speed Leader

Robi Airtel scores 36,246 nPoints, placing third in the overall ranking. The operator stands out by achieving the highest download speed (22.6 Mbps) and upload speed (8.7 Mbps) in the sector, making it an excellent choice for users who frequently download content or participate in video conferences. Robi Airtel has shown a notable 21.9% improvement in download performance, strengthening its position as a competitive player in the Bangladeshi sector.

TeleTalk: Most Improved Operator

TeleTalk ranks fourth with 30,229 nPoints but demonstrates the most substantial improvements among all operators. The company has achieved remarkable progress with a 129.9% increase in download speeds and a 74.4% improvement in upload performance. TeleTalk's overall score has risen by 38.7%, and its streaming performance has improved by 10.7%, showing a clear commitment to enhancing service quality for its customers.

Conclusion

GrameenPhone maintains its leadership in Bangladesh's mobile internet sector, but the significant improvements from competitors like Banglalink, Robi Airtel, and particularly TeleTalk indicate a healthy and increasingly competitive environment. Each operator shows strengths in different performance areas, providing Bangladeshi consumers with good options based on their specific internet usage needs.

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

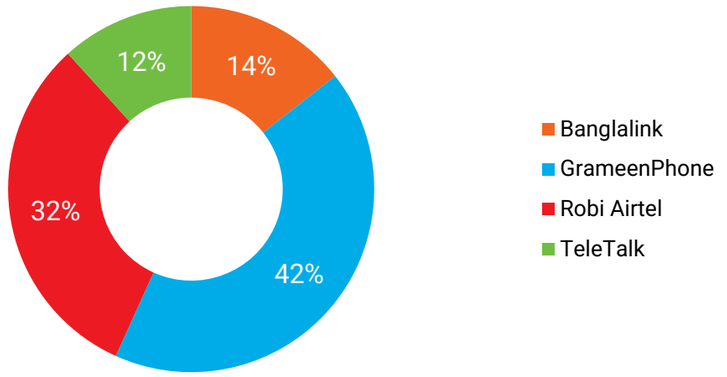
The video streaming test gauges the load time of a fully loaded video in three resolutions on YouTube, considering stalls during playback. This indicator reflects the perceived quality by the user.

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 3.0% 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.

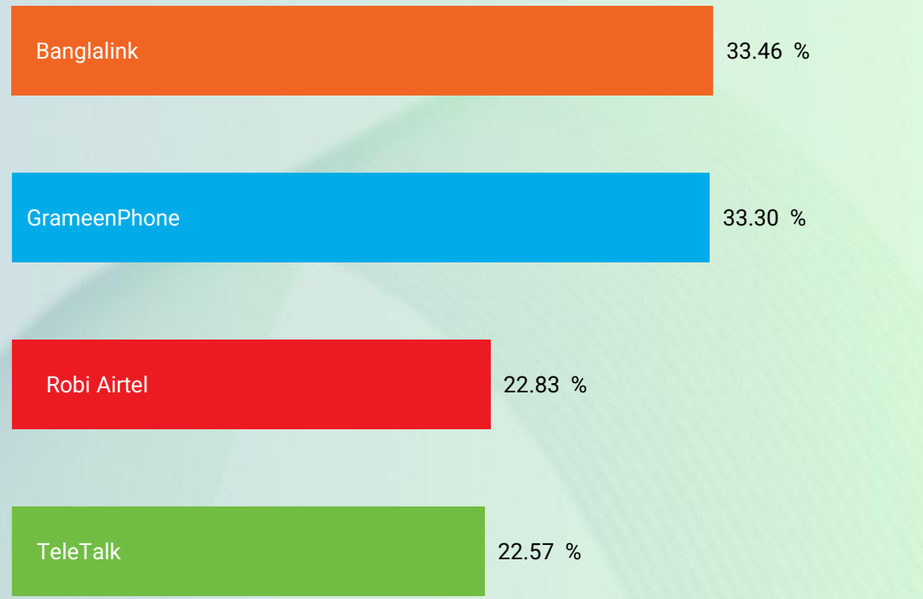
Overall distribution of the tests per provider (ISPs Share)



Source : nPerf.com

Quality of Experience : Browsing

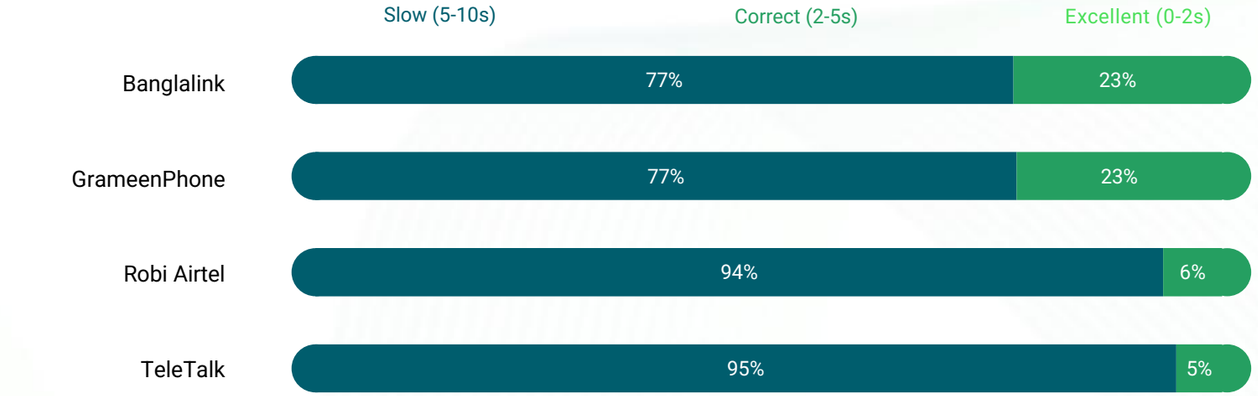
Browsing Performance rate (average)



Source : nPerf.com

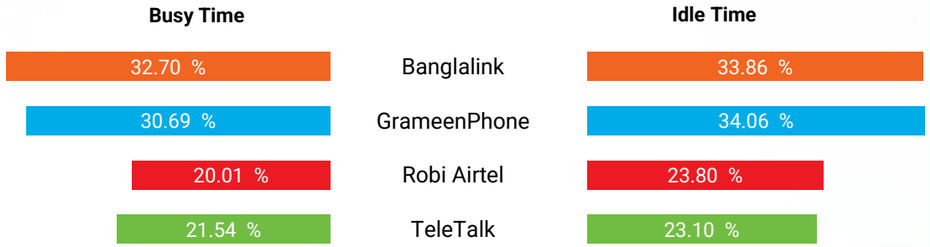
The subscribers of Banglalink and GrameenPhone enjoyed the best mobile Internet browsing performance in 2025.

Browsing Performance results ventilation (average)



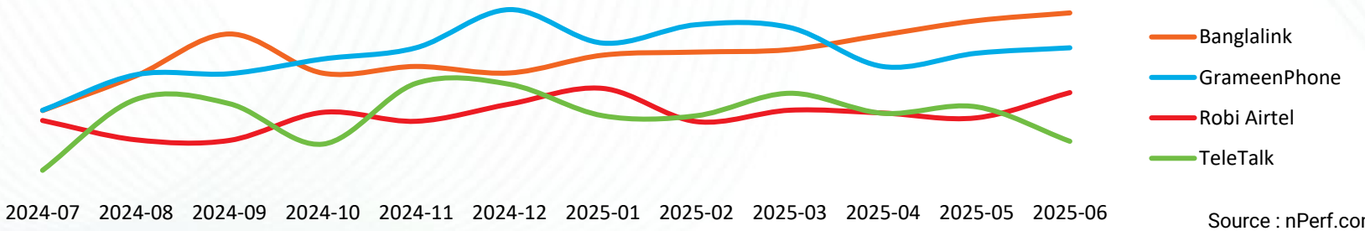
Source : nPerf.com

Browsing Performance rate (average)



Source : nPerf.com

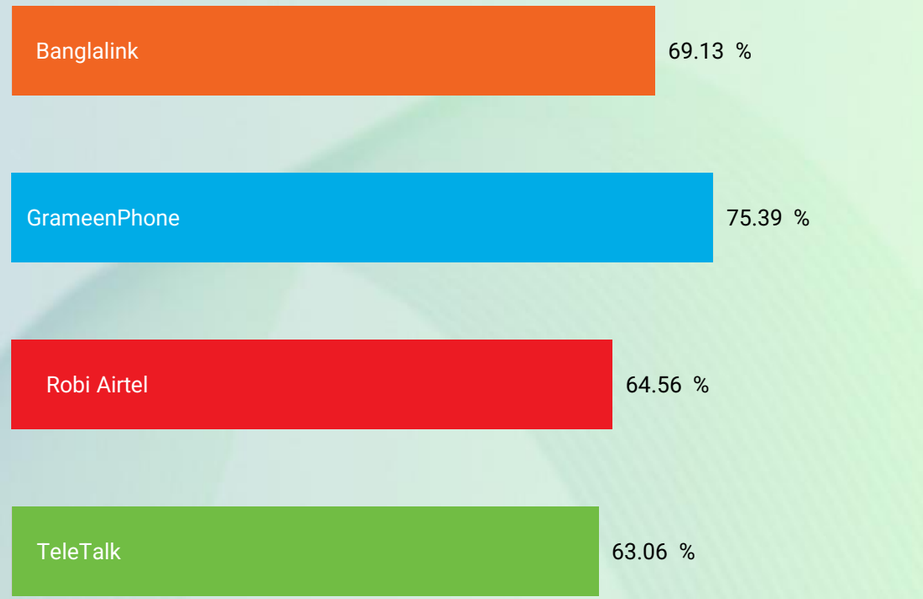
Browsing performance rate (average) evolution over the year



Source : nPerf.com

Quality of Experience : Streaming

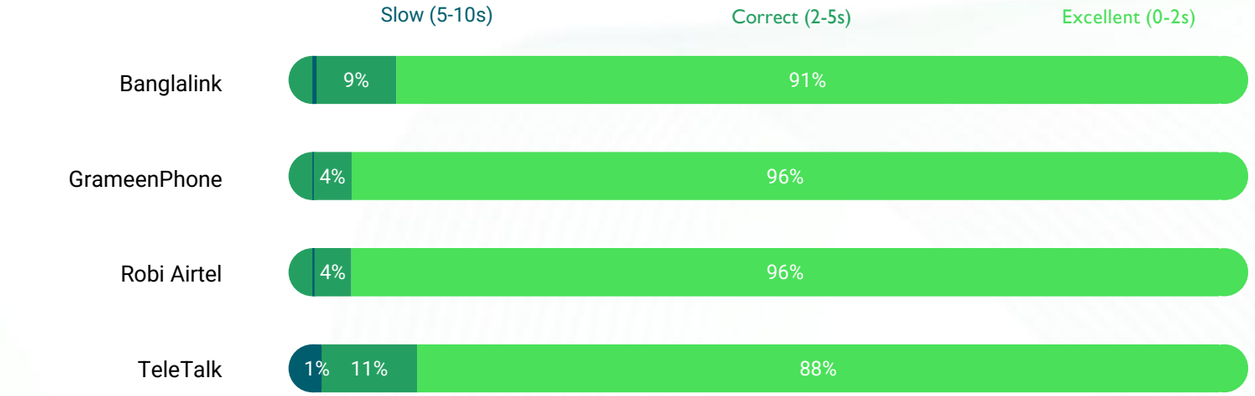
Streaming Performance rate (average)



Source : nPerf.com

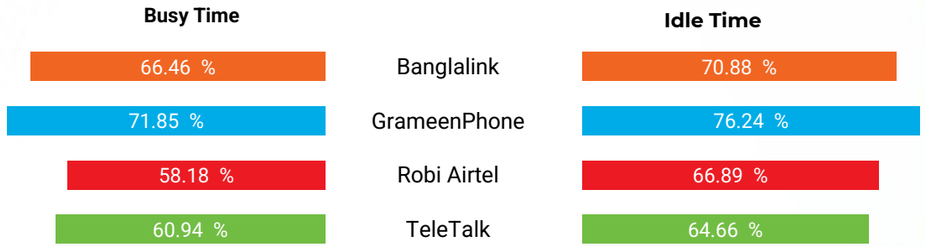
The subscribers of GrameenPhone enjoyed the best mobile Internet streaming performance in 2025.

Streaming Performance results ventilation (average)



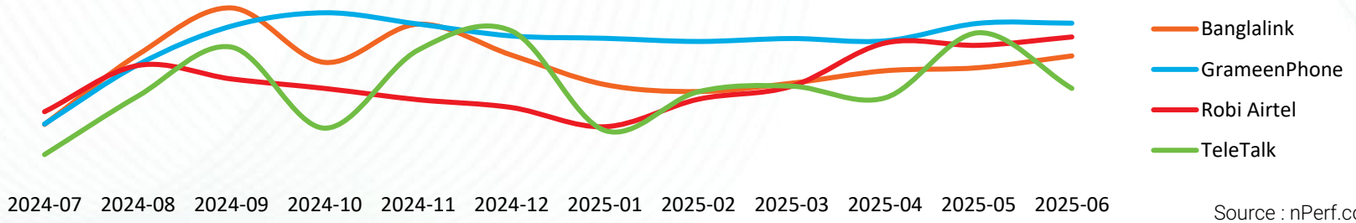
Source : nPerf.com

Streaming Performance rate (average)



Source : nPerf.com

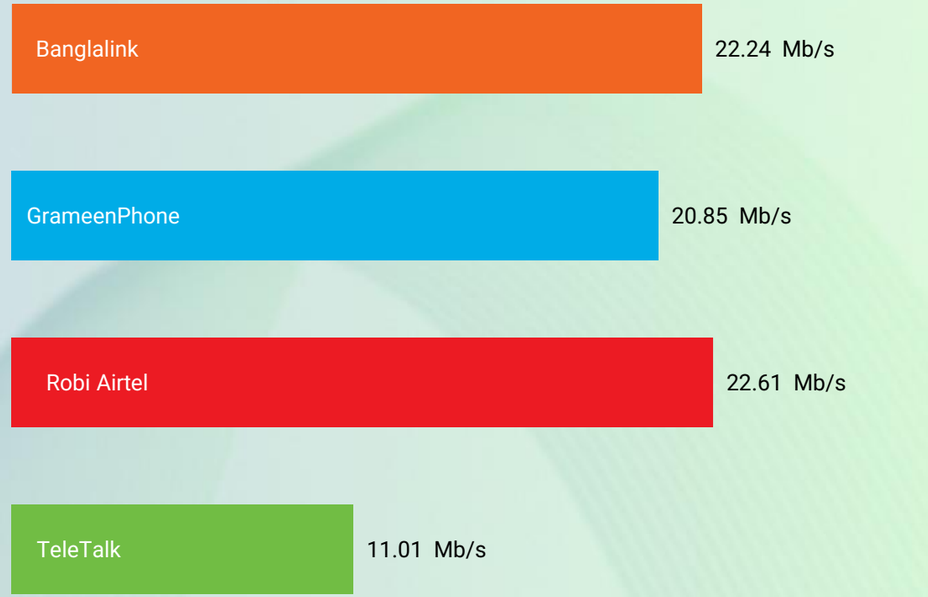
Streaming performance rate (average) evolution over the year



Source : nPerf.com

Speed : Download

Download Speed (average)



Source : nPerf.com

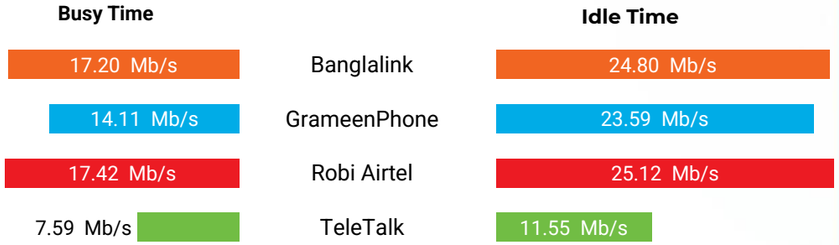
The subscribers of Banglalink and Robi Airtel enjoyed the best average mobile Internet download speed in 2025.

Download Speed results ventilation (average)



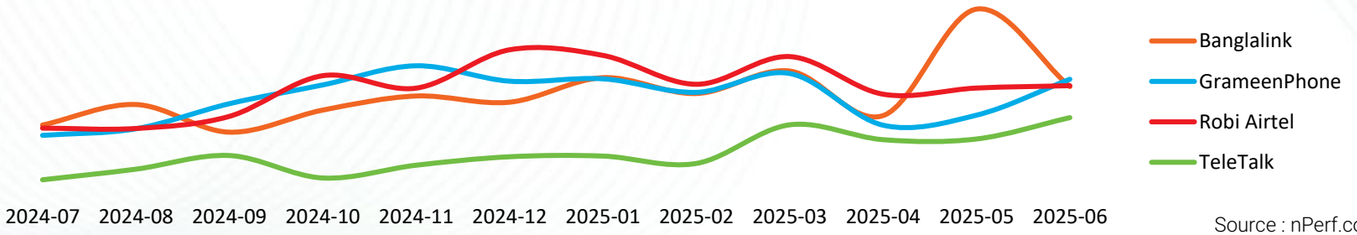
Source : nPerf.com

Download Speed (average)



Source : nPerf.com

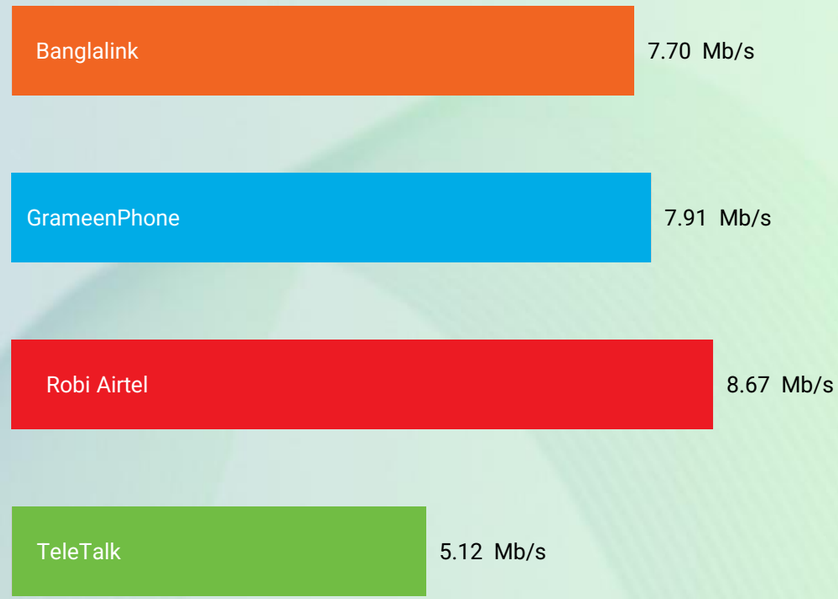
Download Speed evolution over the year (average)



Source : nPerf.com

Speed : Upload

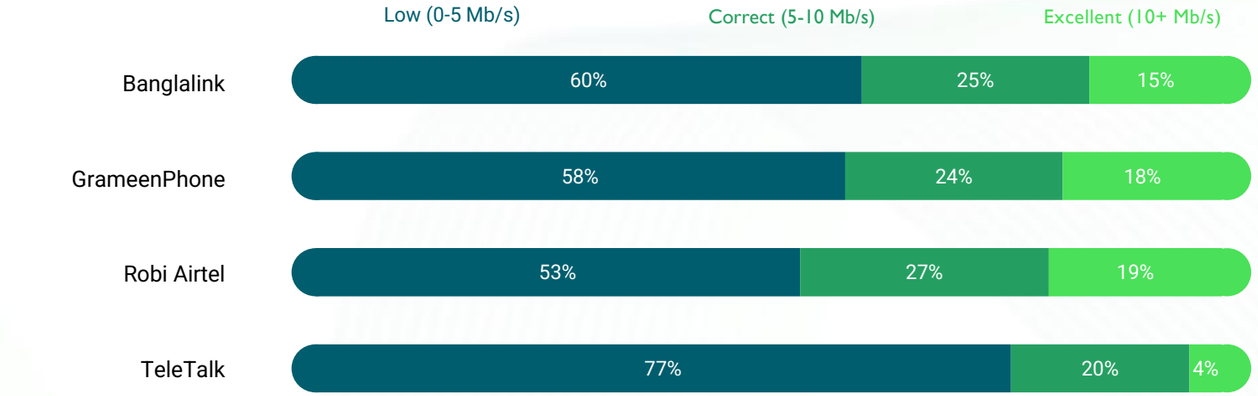
Upload Speed (average)



Source : nPerf.com

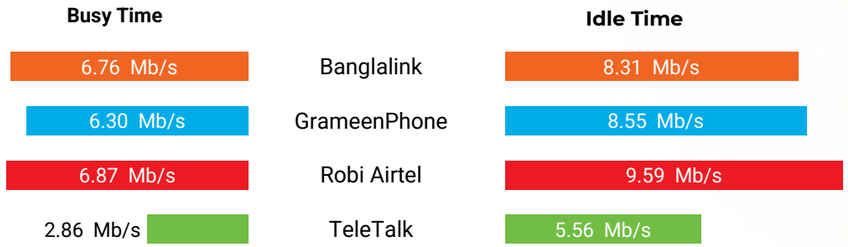
The subscribers of Robi Airtel enjoyed the best average mobile Internet upload speed in 2025.

Upload Speed results ventilation (average)



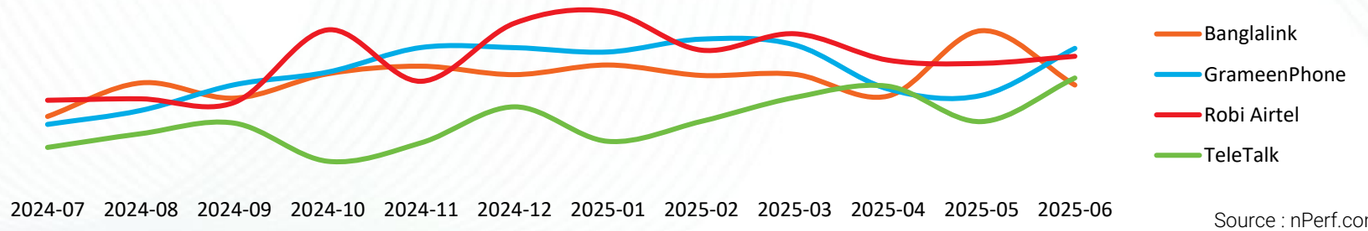
Source : nPerf.com

Upload Speed (average)



Source : nPerf.com

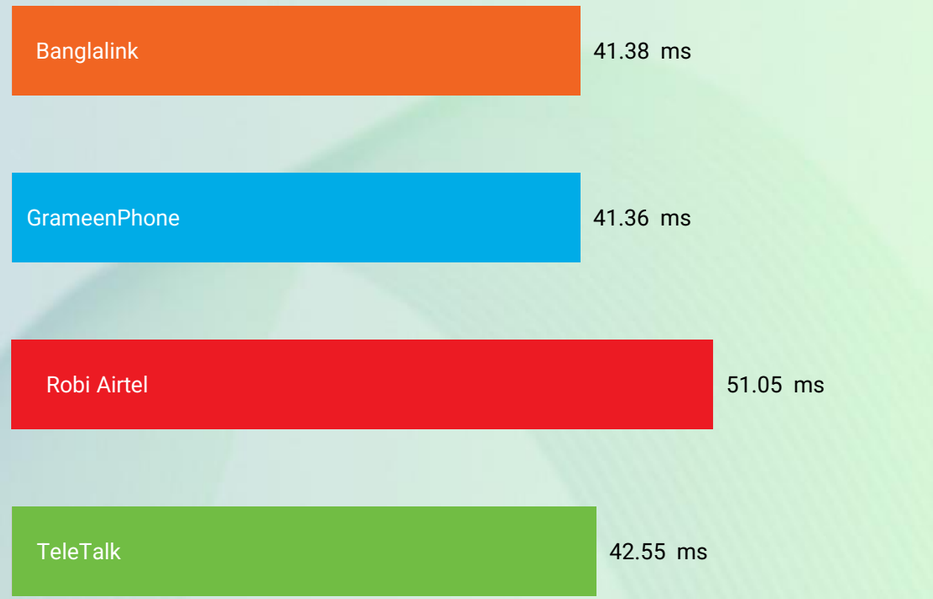
Upload Speed evolution over the year (average)



Source : nPerf.com

Speed : Latency

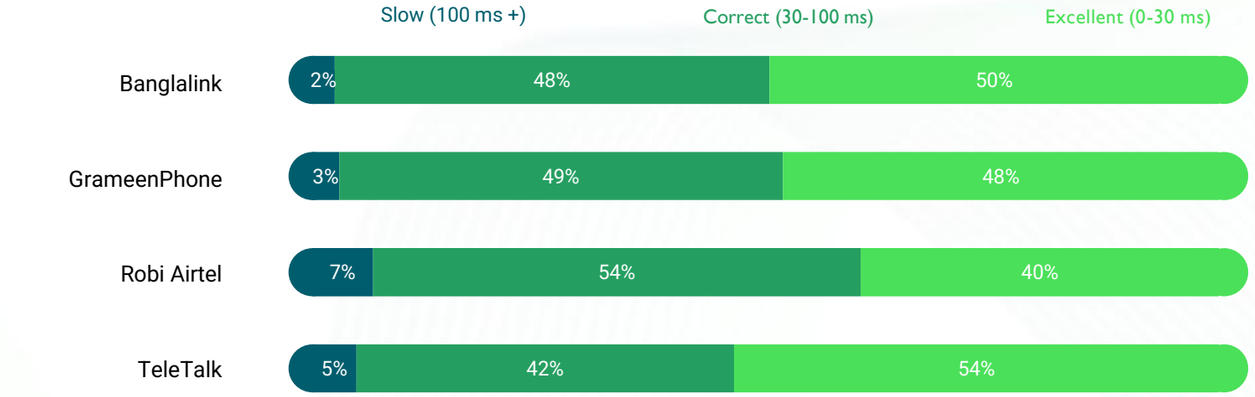
Latency Speed (average)



Source : nPerf.com

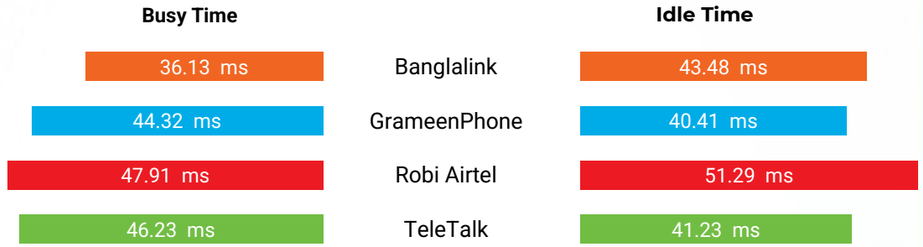
The subscribers of Banglalink, GrameenPhone and TeleTalk enjoyed the best average mobile Internet latency speed in 2025.

Latency Speed results ventilation (average)



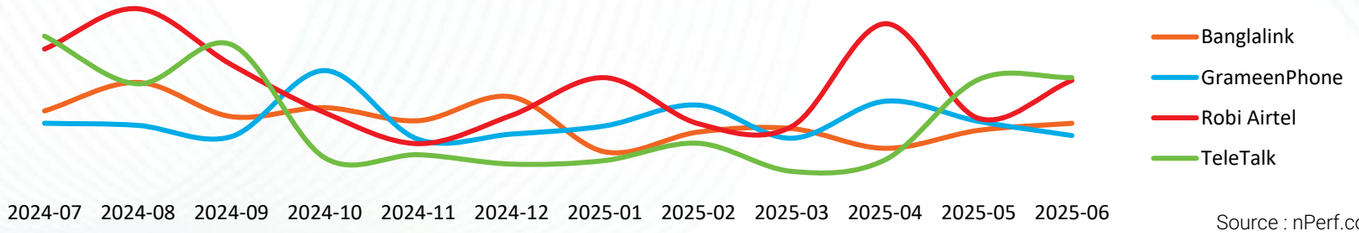
Source : nPerf.com

Latency Speed (average)



Source : nPerf.com

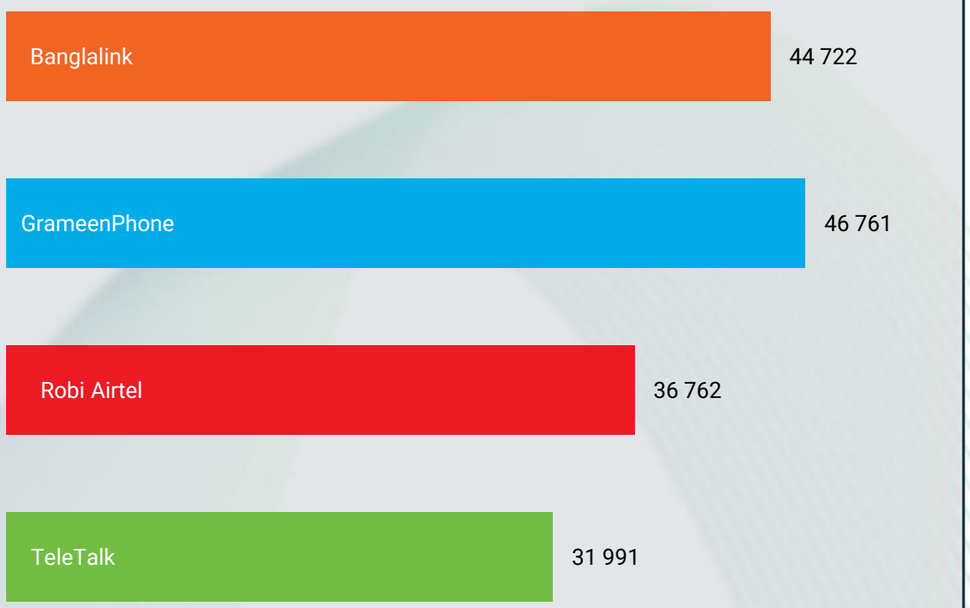
Latency Speed evolution over the year (average)



Source : nPerf.com

4G Mobile Internet performance in Bangladesh

nPerf Score (nPoints)

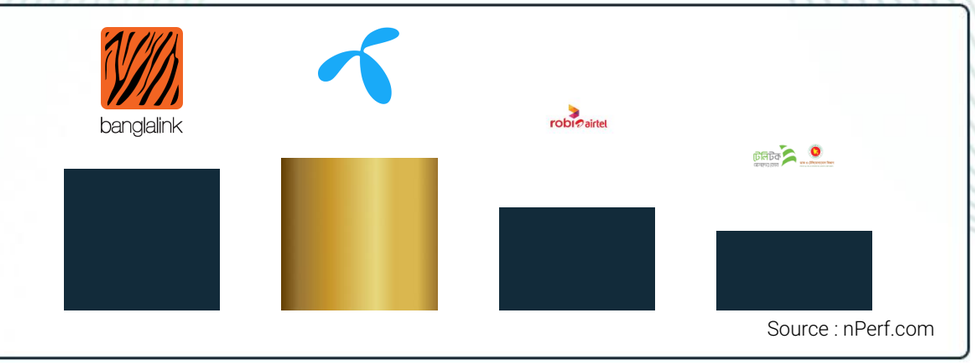


Source : nPerf.com

The subscribers of GrameenPhone enjoyed the best 4G Internet performances in 2025.

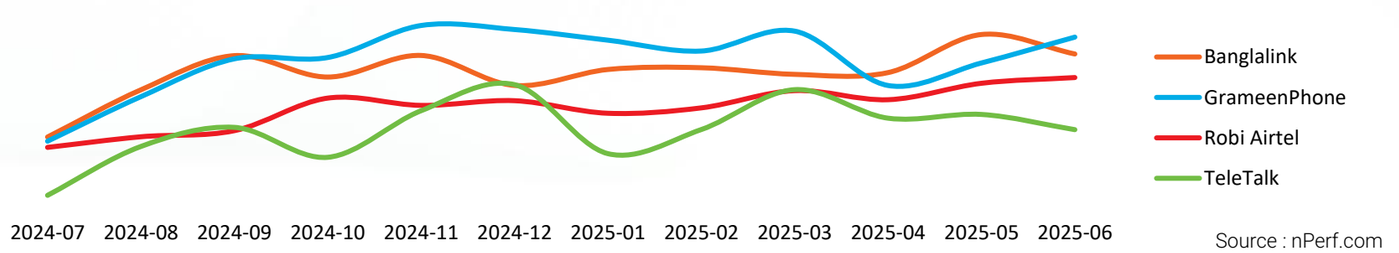
- Best performances 4G: GrameenPhone
- Best web browsing performances 4G: Banglalink and GrameenPhone
- Best video streaming performances 4G: GrameenPhone
- Fastest performances (Download) 4G: Banglalink and Robi Airtel
- Fastest performances (Upload) 4G: Robi Airtel
- 4G connections with the lowest latency: Banglalink and GrameenPhone

Source : nPerf.com



Source : nPerf.com

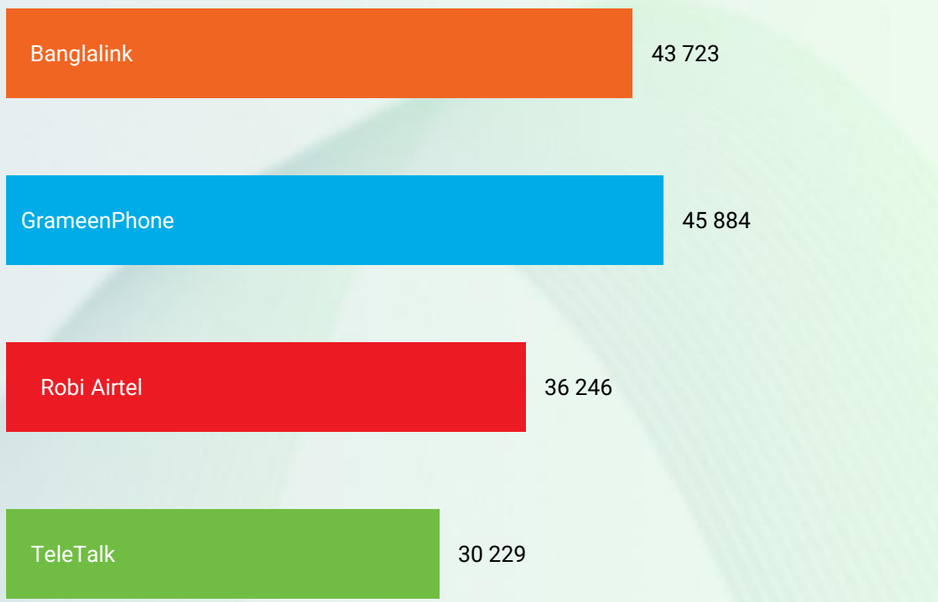
nPerf score evolution over the year (average)



Source : nPerf.com

Mobile Internet performance in Bangladesh

nPerf Score (nPoints)



Source : nPerf.com

The subscribers of GrameenPhone enjoyed the best mobile 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,

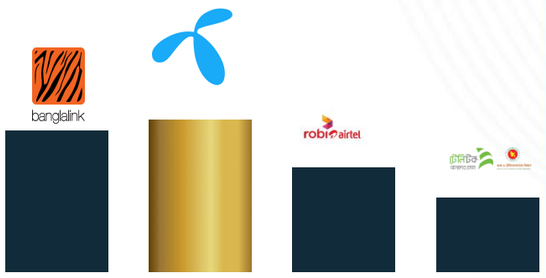
to better represent the perception of the user.

Thus, this score reflects the overall quality of the connection experienced by the user.

Source : nPerf.com

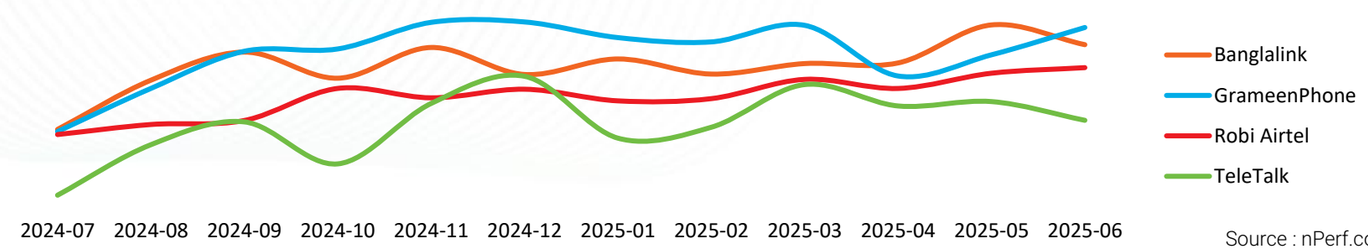
Best mobile Internet performance in 2025





Source : nPerf.com

nPerf score evolution over the year (average)



Source : nPerf.com


nperf