



Orange is Romania's Speedtest Awards™ Winner for fixed network speed during Q3—Q4 2021

222.16

Speed Score™

693.26
Top Speed Mbps

424.06
Top Speed Mbps

Speed Score™

Orange	222.16
Digi	164.66
Vodafone	138.57
Telekom Romania	94.83

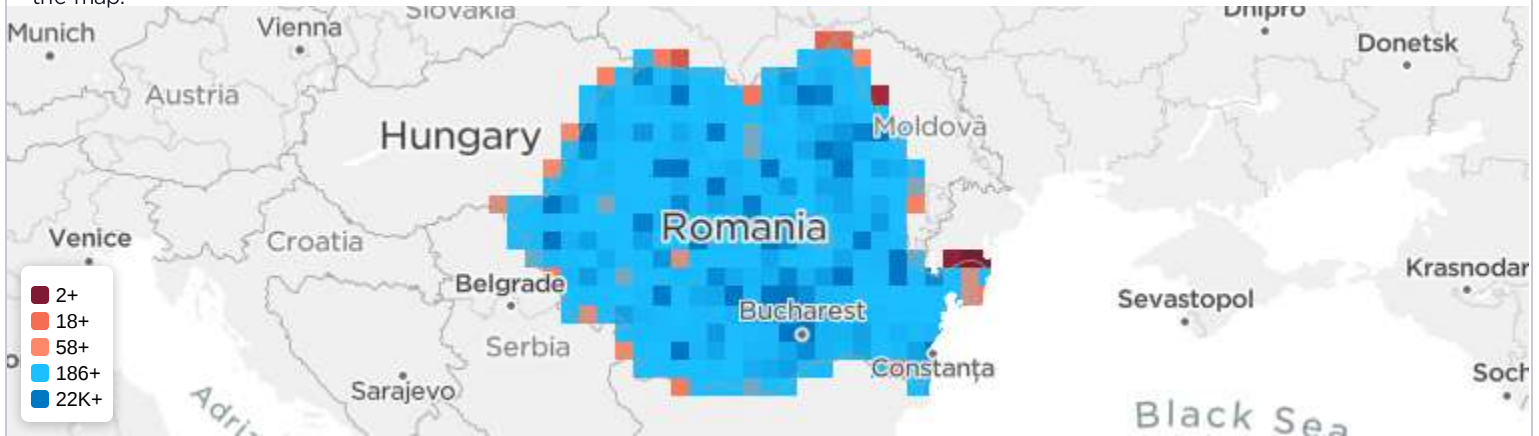
Test Counts

Orange	107,654
Digi	2,232,402
Vodafone	299,695
Telekom Romania	258,942



Tests Taken

Ookla® compared 3,114,985 user-initiated tests that are taken on various Speedtest applications connected to a fixed network, including tests taken on mobile phones over a Wi-Fi connection. All major provider results from the award period in Romania are represented in the map.



Market Statistics

User Count

865,193

Orange	34,013
Digi	624,745
Telekom Romania	94,660
Vodafone	102,935

Top Download Speed

591.37 Mbps

Orange	693.26
Digi	655.84
Telekom Romania	513.78
Vodafone	446.76

Top Upload Speed

518.13 Mbps

Orange	424.06
Digi	618.55
Telekom Romania	410.37
Vodafone	49.27

Median Latency

6ms

Orange	9
Vodafone	12
Digi	4
Telekom Romania	15

How Speed Score™ Works

When analyzing fastest operators, Ookla solely considers top carriers (all carriers with 3% or more of total test samples in the entire market with results for the full award period). We then determine the fastest carrier using Speed Score for results which incorporates a measure of each provider's download and upload speed to rank network speed performance (90% of the final Speed Score is attributed to download speed and the remaining 10% to upload speed). The Speed Score uses a modified trimean to demonstrate the download and upload speeds that are available across a provider's network. We take speeds from the 10th percentile, 50th percentile (also known as the median), and 90th percentile, and combine them in a weighted average using a 1:8:1 ratio, respectively. We place the most emphasis on the download speeds and median speeds as those represent what most network providers' customers will experience on a day-to-day basis.

	Download Trimean	90th Percentile	50th Percentile	10th Percentile	Upload Trimean	90th Percentile	50th Percentile	10th Percentile
Orange	228.19	693.26	194.96	28.97	167.87	424.06	153.72	24.95
Digi	166.24	655.84	122.43	27.21	150.37	618.55	107.14	27.98
Vodafone	151.23	446.76	130.68	20.10	24.67	49.27	23.95	5.84
Telekom Romania	96.15	513.78	55.21	6.07	82.90	410.37	52.25	0.72

City Network Speeds

Cluj-Napoca

Provider	Download Mbps	Upload Mbps
Orange	234.13	167.88
Vodafone	160.27	24.03
Digi	152.96	134.14
Telekom Romania	38.43	30.13

