



Orange is Romania's Speedtest Awards™ Winner for fixed network speed during Q3—Q4 2022

241.37

Speed Score™

729.78
Top Speed Mbps

462.65
Top Speed Mbps

Speed Score™

Orange	241.37
Digi	201.78
Vodafone	144.61

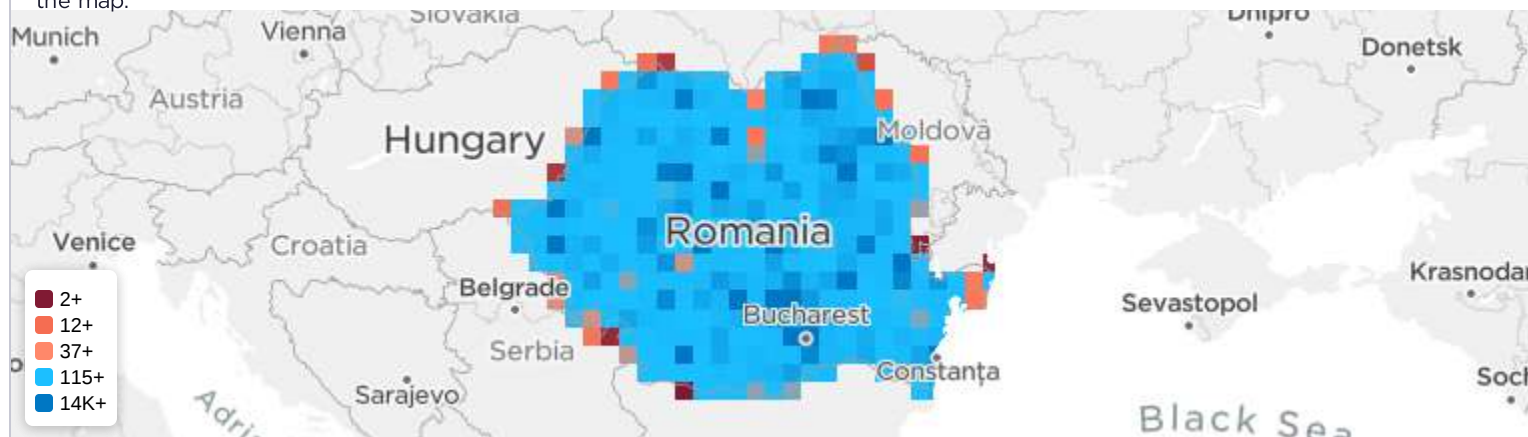
Test Counts

Orange	131,048
Digi	1,815,727
Vodafone	295,884



Tests Taken

Ookla® compared 2,615,126 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

770,623

Orange	41,299
Digi	551,539
Vodafone	100,873

Top Download Speed

650.80

Mbps

Orange	729.78
Digi	718.11
Vodafone	477.81

Top Upload Speed

607.51

Mbps

Orange	462.65
Digi	700.43
Vodafone	65.10

Median Latency

6

ms

Orange	9
Digi	4
Vodafone	12

How Speed Score™ Works

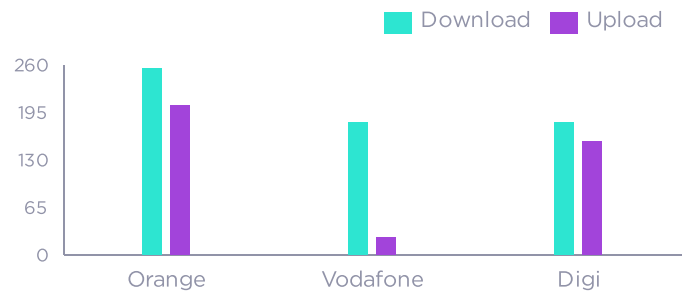
When analyzing fastest operators, Ookla solely considers top carriers (all carriers with 3% or more of total test samples in the entire market with results for the full award period). We then determine the fastest carrier using Speed Score for results which incorporates a measure of each provider's download and upload speed to rank network speed performance (80% of the final Speed Score is attributed to download speed and the remaining 20% 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	252.01	729.78	220.22	28.65	198.82	462.65	187.42	26.15
Digi	205.00	718.11	162.91	28.63	188.89	700.43	144.92	29.14
Vodafone	174.17	477.81	155.41	20.67	26.36	65.10	23.92	7.13

County Network Speeds

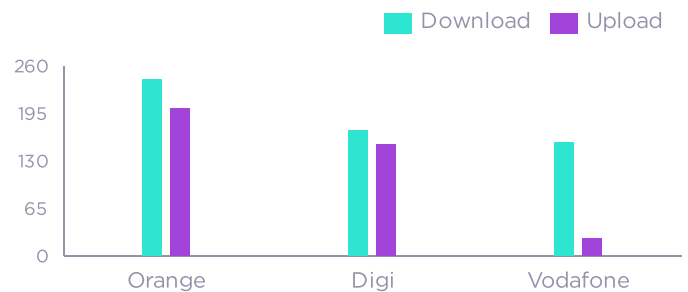
Cluj County

Provider	Download Mbps	Upload Mbps
Orange	255.12	204.41
Vodafone	181.95	23.96
Digi	181.17	155.28



Iași County

Provider	Download Mbps	Upload Mbps
Orange	241.28	201.89
Digi	172.04	152.32
Vodafone	154.96	23.89



Timiș County

Provider	Download Mbps	Upload Mbps
Orange	252.04	207.51
Digi	188.59	159.12
Vodafone	171.39	24.35

