



Tigo is Colombia's Speedtest Awards™ Winner for mobile network speed during Q3—Q4 2020

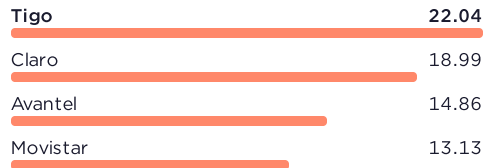
22.04

Speed Score™

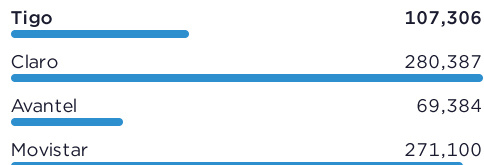
23.08  
Avg. Speed Mbps

11.91  
Avg. Speed Mbps

Speed Score™

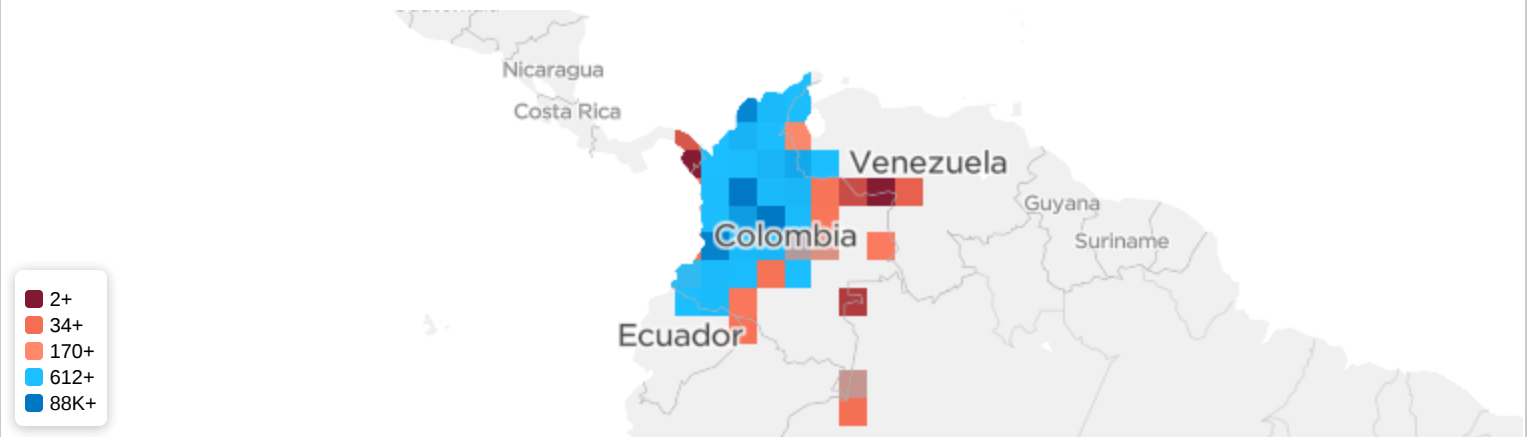


Test Counts



## Tests Taken

Ookla® compared 754,191 user-initiated tests taken on the Speedtest iOS and Android mobile apps from all the major mobile carriers in Colombia during the award period to determine who showed the fastest mobile network speeds.



## Market Statistics

Unique Devices

162,666

Redmi Note 8	6,245
Y9 Prime (2019)	5,438
iPhone 11	4,664
iPhone Xr	4,098
iPhone X	3,830

Avg. Download Speed

18.37 Mbps

Tigo	23.08
Claro	19.33
Avantel	17.05
Movistar	14.89

Avg. Upload Speed

9.57 Mbps

Tigo	11.91
Claro	9.05
Avantel	10.82
Movistar	8.80

Avg. Latency

45 ms

Tigo	40
Claro	49
Avantel	31
Movistar	45

## How Speed Score™ Works

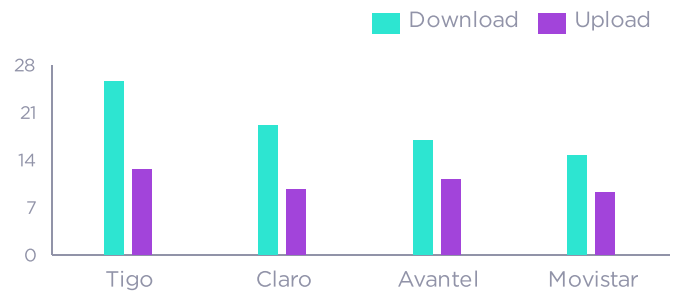
When analyzing fastest operators, Ookla solely considers top carriers (all carriers with 3% or more of total test samples in the market for the period). We then determine the fastest carrier using Speed Score which incorporates a measure of each provider's download and upload speed to rank network speed 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
Tigo	23.20	56.68	21.31	4.83	11.56	27.82	10.82	1.19
Claro	20.26	46.68	19.15	2.64	7.65	22.74	6.63	0.66
Avantel	15.34	44.94	13.17	3.16	10.48	22.40	10.15	1.18
Movistar	13.71	37.43	12.18	2.23	7.94	21.53	7.14	0.81

## Department Network Speeds

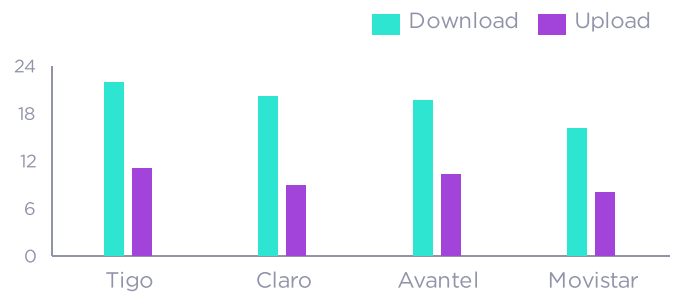
### Bogota

Carrier	Download Mbps	Upload Mbps
<b>Tigo</b>	<b>25.52</b>	<b>12.61</b>
Claro	19.06	9.63
Avantel	16.87	11.10
Movistar	14.61	9.21



### Antioquia

Carrier	Download Mbps	Upload Mbps
<b>Tigo</b>	<b>21.92</b>	<b>11.08</b>
Claro	20.17	8.89
Avantel	19.68	10.24
Movistar	16.11	8.02



### Cundinamarca

Carrier	Download Mbps	Upload Mbps
<b>Tigo</b>	<b>18.54</b>	<b>11.11</b>
Claro	16.19	7.61
Avantel	12.80	9.30
Movistar	10.04	5.71

