

## UK Broadband Speed Test Results November 2016

This press release gives the aggregated speed test results from the hundreds of thousands of tests carried out by site users at [www.broadband.co.uk](http://www.broadband.co.uk) during November 2016.

### Fixed line home broadband providers – overview

<b>Average fixed line download &amp; upload speeds – November 2016</b>		
<b>ISP</b>	<b>Average Download Speed (Mbps)</b>	<b>Average Upload Speed (Mbps)</b>
BT	21.829	5.19
EE	12.227	3.231
Plusnet	15.972	2.82
Post Office	4.029	0.385
Sky	13.613	3.311
TalkTalk	14.493	2.15
Virgin Media	47.747	6.022
Vodafone	28.238	8.803
<b>All fixed line providers</b>	<b>22.897</b>	<b>4.32</b>

Virgin Media retain first place, with average download speeds remaining stable at 47.75Mbps. Vodafone are in at second place with download speeds falling slightly by 0.66Mbps to 28.24Mbps. BT are in third place, with download speeds increasing by 2.03Mbps to 21.83Mbps. Plusnet are in fourth place, with download speeds rising by 1.35Mbps to 15.97Mbps. This puts TalkTalk in fifth place, with speeds increasing by 0.68Mbps to 14.49Mbps.

Overall, the average download speeds across all fixed line providers have risen by 0.93Mbps, while upload speeds have risen fractionally.

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### Consumer mobile broadband providers

<b>Average mobile download &amp; upload speeds – November 2016</b>		
<b>ISP</b>	<b>Average Download Speed (Mbps)</b>	<b>Average Upload Speed (Mbps)</b>
EE Mobile	23.436	4.538
O2 Mobile	12.526	2.7
Three Mobile	13.099	3.561
Vodafone Mobile	14.741	3.168
<b>All consumer mobile</b>	<b>16.689</b>	<b>3.622</b>

Unlike many other speed tests, our test supports users of mobile and tablet devices, and so we're able to provide information about average speeds for mobile broadband providers.

Results from November see EE holding first place with average download speeds increasing significantly by 4.79Mbps to 23.44Mbps. Vodafone remain in second place with download speeds increasing by 0.16Mbps to 14.74Mbps. Three are in third place, with speeds falling by 0.46Mbps to 13.1Mbps, while O2 are in fourth place with download speeds rising by 1.28Mbps to 12.53Mbps.

Overall, the average download speed across all consumer mobile was 16.69Mbps, a 1.54Mbps increase compared to last month, while average mobile broadband upload speeds have also risen by 0.33Mbps to 3.62Mbps.

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### Fixed line home broadband providers – time of day

<b>Average fixed line download speeds by time of day - November 2016</b>			
<b>ISP</b>	<b>Overnight</b> (00:00 to 08:00) Average download speed (Mbps)	<b>Daytime</b> (08:00 to 18:00) Average download speed (Mbps)	<b>Evening</b> (18:00 to 00:00) Average download speed (Mbps)
BT	22.635	21.537	22.125
EE	11.659	12.198	12.348
Plusnet	16.76	15.6	16.388
Post Office	5.313	4.388	3.283
Sky	15.085	13.633	13.347
TalkTalk	15.537	14.442	14.375
Virgin Media	56.362	51.684	41.781
Vodafone	29.971	28.871	27.225
<b>All fixed line providers</b>	<b>25.62</b>	<b>23.151</b>	<b>22.075</b>

When the fixed line providers' average download speed is split to show separate figures for overnight, daytime and evening tests, we see how download speed is heavily influenced by the time of day.

For providers such as Virgin Media and Sky the overnight level shows significantly higher average speeds than the evening peak periods. This clearly shows the effects of network congestion on the average broadband connection at peak hours.

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### Supplemental fixed line broadband providers

<b>Average download &amp; upload speeds (supplemental) - November 2016</b>		
<b>ISP</b>	<b>Average Download Speed (Mbps)</b>	<b>Average Upload Speed (Mbps)</b>
Daisy	26.227	7.706
Zen	20.575	5.793
KCOM	28.198	7.065
Eclipse Internet	13.777	3.33
BT Wi-Fi (aka BT Fon)	5.713	1.978
Hyperoptic	79.741	67.017
Relish	11.102	1.645
Demon Broadband	8.449	3.338
Entanet	19.254	6.474
IDNet	17.077	2.351
Gigaclear	43.992	40.646

Here we list additional fixed line broadband providers with fewer customers making use of our speed test. All providers listed have sufficient test numbers across the month to make average speeds statistically significant, but not enough tests to be split by time of day. The lower down the list, the less confident we are about the overall accuracy of the average results.

It should be noted that some of these ISPs primarily supply broadband to the business market, and so might utilize technologies not available to the vast majority of broadband users. Home providers tend to have a peak of test numbers in the evening while primarily business providers, such as Zen or Daisy have the greatest number during the day time.

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### About the [broadband.co.uk](http://www.broadband.co.uk) speed test results

- Our results are taken from our website users performing speed tests using our speed checker at <http://www.broadband.co.uk/broadband-speed-test/>
- We record hundreds of thousands of speed tests every month
- Unlike other speed test services we record the Internet Service Provider (ISP) by IP address making our ISP recording very accurate rather than relying on self selection. Certain ISPs resell their services as a wholesale or white label product, in these cases the wholesale ISP is matched
- We pick out the following 'big 7' fixed line ISPs for detailed reporting every month:
  - BT
  - EE (excluding 4G mobile broadband)
  - Post Office
  - Plusnet
  - Sky
  - TalkTalk
  - Virgin Media
- As our test is one of the few that will run on mobile devices and tablets, we're also able to report on the following mobile broadband providers:
  - EE
  - O2
  - Three
  - Vodafone

### About [broadband.co.uk](http://www.broadband.co.uk)

- Our broadband price comparison is accredited by Ofcom as open, honest and transparent
- We are one of the original broadband information and comparison sites having been launched in 2004
- With well over 3 million visitors per year we are one of the UK's leading sources of broadband information and advice
- We provide beginners guides to all areas of broadband along with detailed buyers guides to the major broadband providers, speed tester and broadband postcode look-up functionality
- We provide a free "Ask the expert" service where our broadband expert answers any query related to broadband, technical, comparison and related

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