

UK Broadband Speed Test Results December 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 during December 2016.

Fixed line home broadband providers – overview

Average fixed line download & upload speeds – December 2016		
ISP	Average Download Speed (Mbps)	Average Upload Speed (Mbps)
BT	21.857	5.26
EE	11.528	2.951
Plusnet	16.59	3.156
Post Office	3.763	0.387
Sky	12.84	3.087
TalkTalk	13.807	2
Virgin Media	50.03	6.22
Vodafone	26.616	8.178
All fixed line providers	23.087	4.314

Virgin Media retain first place, with average download speeds increasing by 2.28Mbps to 50.03Mbps, tipping them over the 50Mbps mark for the first time. Vodafone are in second place with download speeds falling by 1.62Mbps to 26.62Mbps. BT are in third place, with download speeds remaining stable at 21.86Mbps. Plusnet are in fourth place, with download speeds rising by 0.62Mbps to 16.59Mbps. This puts TalkTalk in fifth place, with speeds decreasing by 0.69Mbps to 13.81Mbps.

Overall, the average download and upload speeds across all fixed line providers have remained stable.

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Consumer mobile broadband providers

Average mobile download & upload speeds – December 2016		
ISP	Average Download Speed (Mbps)	Average Upload Speed (Mbps)
EE Mobile	24.987	4.758
O2 Mobile	14.923	3.369
Three Mobile	13.758	3.717
Vodafone Mobile	16.424	3.463
All consumer mobile	18.42	3.971

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 December see EE holding first place with average download speeds increasing by 1.55Mbps to 24.99Mbps. Vodafone remain in second place with download speeds rising by 1.68Mbps to 16.42Mbps. O2 move up to third place, with speeds increasing significantly by 2.4Mbps to 14.92Mbps, while Three are in fourth place with download speeds rising by 0.66Mbps to 13.76Mbps.

Overall, the average download speed across all consumer mobile was 18.42Mbps, a 1.73Mbps increase compared to last month, while average mobile broadband upload speeds have also risen by 0.35Mbps to 3.97Mbps.

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Fixed line home broadband providers – time of day

Average fixed line download speeds split by time of day – December 2016			
ISP	Overnight (00:00 to 08:00) Average download speed (Mbps)	Daytime (08:00 to 18:00) Average download speed (Mbps)	Evening (18:00 to 00:00) Average download speed (Mbps)
BT	22.932	21.833	21.67
EE	11.338	11.233	11.975
Plusnet	18.318	16.452	16.427
Post Office	4.76	4.255	3.01
Sky	13.397	13.042	12.477
TalkTalk	14.948	13.785	13.594
Virgin Media	58.729	53.584	44.01
Vodafone	27.159	27.118	25.765
All fixed line providers	25.732	23.415	22.072

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 Vodafone 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

Average download & upload speeds (supplemental) - December 2016		
ISP	Average Download Speed (Mbps)	Average Upload Speed (Mbps)
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 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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