

UK Broadband Speed Test Results October 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 October 2016.

Fixed line home broadband providers – overview

Average fixed line download & upload speeds – October 2016		
ISP	Average Download Speed (Mbps)	Average Upload Speed (Mbps)
BT	19.803	4.71
EE	12.148	3.101
Plusnet	14.624	2.722
Post Office	3.815	0.401
Sky	13.214	3.283
TalkTalk	13.809	2.115
Virgin Media	47.858	5.947
Vodafone	28.897	8.853
All fixed line providers	21.964	4.141

Virgin Media retain first place, with average download speeds increasing by 0.26Mbps to 47.9Mbps. Vodafone's home broadband service (newly added to the list this month due to test numbers being statistically significant) are in at second place with download speeds in at 28.9Mbps and upload speeds at 8.85Mbps. This means the rest of the home broadband providers all drop down the list. BT are in third place, with download speeds rising slightly by 0.4Mbps to 19.8Mbps. Plusnet are in fourth place, with download speeds falling by 1.27Mbps to 14.62Mbps. This puts TalkTalk in fifth place, with speeds increasing by 0.52Mbps to 13.81Mbps.

Overall, the average download speeds across all fixed line providers have fallen by 0.13Mbps, while upload speeds have risen fractionally.

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Consumer mobile broadband providers

Average mobile download & upload speeds – October 2016		
ISP	Average Download Speed (Mbps)	Average Upload Speed (Mbps)
EE Mobile	18.644	3.826
O2 Mobile	11.249	2.449
Three Mobile	13.561	3.409
Vodafone Mobile	14.585	2.931
All consumer mobile	15.145	3.294

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 October see EE holding first place with average download speeds decreasing again by 1.7Mbps to 18.64Mbps. Vodafone remain in second place with download speeds falling by 1.18Mbps to 14.59Mbps. Three move back up to third place, with speeds increasing by 0.85Mbps to 13.56Mbps, while O2 fall to fourth place with download speeds dropping by 2.26Mbps to 11.25Mbps.

Overall, the average download speed across all consumer mobile was 15.15Mbps, a 0.82Mbps decrease compared to last month, while average mobile broadband upload speeds have also fallen by 0.12Mbps to 3.29Mbps.

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Fixed line home broadband providers – time of day

Average fixed line download speeds by time of day – October 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	20.629	19.895	19.41
EE	12.217	12.06	12.274
Plusnet	13.999	14.993	14.156
Post Office	5.101	4.141	2.968
Sky	13.688	13.419	12.795
TalkTalk	15.259	13.714	13.591
Virgin Media	57.102	51.484	40.788
Vodafone	28.876	28.756	29.097
All fixed line providers	23.634	22.456	20.73

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 TalkTalk 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) – October 2016		
ISP	Average Download Speed (Mbps)	Average Upload Speed (Mbps)
Daisy	27.956	8.301
Zen	19.844	5.439
KCOM	28.132	6.479
Eclipse Internet	11.604	3.071
BT Wi-Fi (aka BT Fon)	4.693	1.794
Hyperoptic	95.679	78.898
Relish	12.847	2.007
Entanet	18.081	6.242
Demon Broadband	9.772	2.165
Ask4	20.738	5.077
IDNet	15.354	1.67
WightFibre	17.79	2.958

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 8' fixed line ISPs for detailed reporting every month:
 - BT
 - EE home broadband
 - Post Office
 - Plusnet
 - Sky
 - TalkTalk
 - Virgin Media
 - Vodafone home broadband
- 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

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