

UK Broadband Speed Test Results September 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 September 2016.

Fixed line home broadband providers – overview

Average fixed line download & upload speeds – September 2016		
ISP	Average Download Speed (Mbps)	Average Upload Speed (Mbps)
BT	19.406	4.665
EE	12.423	3.139
Plusnet	15.891	3.174
Post Office	3.476	0.39
Sky	12.622	3.11
TalkTalk	13.292	2.057
Virgin Media	47.597	5.833
All fixed line providers	22.096	4.085

Virgin Media retain first place, with average download speeds falling by 2.27Mbps to 47.6Mbps. BT maintain second place, with download speeds falling slightly by 0.19Mbps to 19.41Mbps. Plusnet remain in third place, with download speeds remaining stable at 15.89Mbps. TalkTalk are still in fourth place, with speeds rising by 0.4Mbps to 13.29Mbps. Sky continue to hold fifth place with speeds rising by 0.46Mbps to 12.62Mbps.

Overall, the average download speeds across all fixed line providers have fallen by 0.38Mbps, while upload speeds have remained stable.

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Consumer mobile broadband providers

Average mobile download & upload speeds – September 2016		
ISP	Average Download Speed (Mbps)	Average Upload Speed (Mbps)
EE Mobile	20.356	4.058
O2 Mobile	13.504	3.071
Three Mobile	12.707	3.031
Vodafone Mobile	15.76	3.443
All consumer mobile	15.969	3.415

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 September see EE holding first place with average download speeds decreasing by 2.48Mbps to 20.36Mbps. Vodafone remain in second place with download speeds rising by 0.35Mbps to 15.76Mbps. O2 move up to third place, with speeds increasing by 1.31Mbps to 13.5Mbps, while Three fall to fourth place with download speeds dropping by 0.74Mbps to 12.71Mbps.

Overall, the average download speed across all consumer mobile was 15.97Mbps, a 0.9Mbps decrease compared to last month, while average mobile broadband upload speeds have also fallen by 0.42Mbps to 3.42Mbps.

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Fixed line home broadband providers – time of day

Average fixed line download speeds by time of day – September 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	20.089	19.221	19.528
EE	12.783	12.622	12.044
Plusnet	16.333	15.623	16.193
Post Office	4.16	3.57	3.044
Sky	13.115	12.85	12.154
TalkTalk	14.659	13.307	12.866
Virgin Media	56.21	50.565	41.885
All fixed line providers	23.071	22.475	21.249

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, TalkTalk 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

Average supplemental download & upload speeds – September 2016		
ISP	Average Download Speed (Mbps)	Average Upload Speed (Mbps)
Daisy	19.069	6.438
Vodafone Broadband	27.363	8.057
Zen	23.573	6.609
KCOM	27.6	5.81
Eclipse Internet	12.994	3.548
BT Wi-Fi (aka BT Fon)	4.739	1.752
Entanet	9.138	5.026
Demon Broadband	6.979	1.372
Hyperoptic	75.21	59.069
Relish	14.263	2.159
Ask4	33.509	7.132
Gigaclear	48.781	44.792
connexin	8.634	3.874

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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