# Connectivity Glossary

| Term | Definition |
| --- | --- |
| Asynchronous | Of or requiring a form of computer control timing protocol in which a specific operation begins upon receipt of an indication (signal) that the preceding operation has been completed[[1]](#endnote-1) |
| Bandwidth | The rate of data transfer, bit rate or throughput, measured in bits per second (bit/s)[[2]](#endnote-2) |
| Bit | The basic unit of information in computing and digital communications[[3]](#endnote-3) |
| Bits per second | The number of data bits that pass through an interface within one second[[4]](#endnote-4) |
| Broadband | The term broadband commonly refers to high-speed Internet access that is always on and faster than the traditional dial-up access[[5]](#endnote-5) |
| Cable | Medium typically used by cable TV providers to offer data services over[[6]](#endnote-6) |
| Cable modem | Device used to connect cable TV data networks[[7]](#endnote-7) |
| Cellular | Denoting or relating to a mobile telephone system that uses a number of short-range radio stations to cover the area that it serves, the signal being automatically switched from one station to another as the user travels about.[[8]](#endnote-8) |
| Circuit | Circuit is a discrete (specific) path between two or more points along which signals can be carried. Unless otherwise qualified, a circuit is a physical path, consisting of one or more wires (or wireless paths) and possibly intermediate switching points[[9]](#endnote-9) |
| Cloud | Synonym for the Internet[[10]](#endnote-10) |
| Cloud services | Services offer over the Internet[[11]](#endnote-11) |
| Computer | An electronic device for storing and processing data, typically in binary form, according to instructions given to it in a variable program.[[12]](#endnote-12) |
| Connection speed | The rate at which data travels through a network[[13]](#endnote-13) |
| Connectivity | A state of being connected to other computers or networks[[14]](#endnote-14) |
| Content | Information made available by a website or other electronic medium[[15]](#endnote-15) |
| Data | The quantities, characters, or symbols on which operations are performed by a computer, being stored and transmitted in the form of electrical signals and recorded on magnetic, optical, or mechanical recording media[[16]](#endnote-16) |
| Dial up access | The use of Plain Old Telephone Service (POTS) to access the Internet[[17]](#endnote-17) |
| Download | Copy (data) from one computer system to another, typically from the Internet[[18]](#endnote-18) |
| DSL | Medium for transferring data over regular phone lines and can be used to connect to the Internet[[19]](#endnote-19) |
| Facility | Synonym for data circuit[[20]](#endnote-20) |
| Fiber | Technology that uses glass (or plastic) threads (fibers) to transmit data[[21]](#endnote-21) |
| Firewall | Part of a computer system or network that is designed to block unauthorized access while permitting outward communication[[22]](#endnote-22) |
| Gigabit | One billion bits[[23]](#endnote-23) |
| High speed access | A broadband Internet connection that transmits data such as e-mail and Web pages much faster than dial-up services[[24]](#endnote-24) |
| Hotspot | Wireless access points providing network and/or Internet access to mobile devices[[25]](#endnote-25) |
| Internet | An electronic communications network that connects computer networks and organizational computer facilities around the world[[26]](#endnote-26) |
| Internet Access | The process or act of connecting to the Internet[[27]](#endnote-27) |
| Internet filter | Content control software that restricts or permits data connection based on a set of rules[[28]](#endnote-28) |
| ISP | Internet Service Provider[[29]](#endnote-29) |
| Kilobit | One thousand bits[[30]](#endnote-30) |
| Laptop | A portable computer, typically with a full screen and keyboard[[31]](#endnote-31) |
| Line | Synonym for circuit[[32]](#endnote-32) |
| Megabit | One million bits[[33]](#endnote-33) |
| Microwave | The technology of transmitting information or energy by the use of electromagnetic waves[[34]](#endnote-34) |
| Mobile device | a portable computing device such as a smartphone or tablet computer[[35]](#endnote-35) |
| Network | An electronic communications process used to send and receive data in an organized way[[36]](#endnote-36) |
| Packet | One unit of binary data capable of being routed through a computer network[[37]](#endnote-37) |
| Private line | Dedicated telecommunications circuit connecting two or more points[[38]](#endnote-38) |
| Receive | The process of accepting data packets[[39]](#endnote-39) |
| Router | A device that forwards data packets along networks[[40]](#endnote-40) |
| Satellite | Transmission of data via radio waves to satellites in orbit[[41]](#endnote-41) |
| Server | A computer or computer program that manages access to a centralized resource or service in a network[[42]](#endnote-42) |
| Switch | A network device designed to connect workstations to the network core. [[43]](#endnote-43) |
| Synchronous | Data transfer method in which a continuous stream of data signals is accompanied by timing signals (generated by an electronic clock) to ensure that the transmitter and the receiver are in step (synchronized) with one another[[44]](#endnote-44) |
| T1 | A digital service level and framing specification for synchronous digital streams, over circuits in the North American digital transmission hierarchy, at the T1 transmission rate of 1,544,000 bits per second (baud)[[45]](#endnote-45) |
| Terabit | One trillion bits[[46]](#endnote-46) |
| Transmit | The process of sending data packets[[47]](#endnote-47) |
| Upload | Copy (data) from one computer system to another, typically toward the Internet[[48]](#endnote-48) |
| Utilization | The rate at which a data network is used[[49]](#endnote-49) |
| Wi-Fi | A facility allowing computers, smartphones, or other devices to connect to the Internet or communicate with one another wirelessly within a particular area[[50]](#endnote-50) |
| Wireless | Using radio, microwaves, etc. (as opposed to wires or cables) to transmit data[[51]](#endnote-51) |
| Wireless access point (AP) | Device used to provide wireless access[[52]](#endnote-52) |
| World Wide Web | Synonym for The Internet[[53]](#endnote-53) |

# References

1. Google: <https://www.google.com/search?q=definition+asynchronous&ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&client=firefox-a&channel=sb> [↑](#endnote-ref-1)
2. Google <https://www.google.com/search?q=definition+bandwidth&ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&client=firefox-a&channel=sb> [↑](#endnote-ref-2)
3. Wikipedia <http://en.wikipedia.org/wiki/Bit> [↑](#endnote-ref-3)
4. Christopher Alberts, MCA Network Consultants, LLC [↑](#endnote-ref-4)
5. Broadband.gov <http://www.broadband.gov/about_broadband.html> [↑](#endnote-ref-5)
6. Christopher Alberts MCA Network Consultants, LLC [↑](#endnote-ref-6)
7. Christopher Alberts MCA Network Consultants, LLC [↑](#endnote-ref-7)
8. Google <https://www.google.com/search?q=definte+cellular&ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&client=firefox-a&channel=sb> [↑](#endnote-ref-8)
9. Whatis.com <http://whatis.techtarget.com/definition/circuit> [↑](#endnote-ref-9)
10. Christopher Alberts MCA Network Consultants, LLC [↑](#endnote-ref-10)
11. Christopher Alberts MCA Network Consultants, LLC [↑](#endnote-ref-11)
12. Google <https://www.google.com/search?q=define+computer&ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&client=firefox-a&channel=sb> [↑](#endnote-ref-12)
13. Christopher Alberts, MCA Network Consultants, LLC [↑](#endnote-ref-13)
14. Christopher Alberts, MCA Network Consultants, LLC [↑](#endnote-ref-14)
15. Google <https://www.google.com/search?q=define+content&ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&client=firefox-a&channel=sb> [↑](#endnote-ref-15)
16. Google <https://www.google.com/search?q=define+data&ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&client=firefox-a&channel=sb> [↑](#endnote-ref-16)
17. Christopher Alberts MCA Network Consultants, LLC [↑](#endnote-ref-17)
18. Google <https://www.google.com/search?q=define+download&ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&client=firefox-a&channel=sb> [↑](#endnote-ref-18)
19. Google <https://www.google.com/search?q=define+digital+subscriber+line&ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&client=firefox-a&channel=sb> [↑](#endnote-ref-19)
20. Christopher Alberts MCA Network Consultants, LLC [↑](#endnote-ref-20)
21. Christopher Alberts MCA Network Consultants, LLC [↑](#endnote-ref-21)
22. Google <https://www.google.com/search?q=define+firewall&ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&client=firefox-a&channel=sb> [↑](#endnote-ref-22)
23. Christopher Alberts MCA Network Consultants, LLC [↑](#endnote-ref-23)
24. Google <https://www.google.com/search?q=define+high+speed+access&ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&client=firefox-a&channel=sb> [↑](#endnote-ref-24)
25. Google <https://www.google.com/search?q=define+wireless+hotspot&ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&client=firefox-a&channel=sb> [↑](#endnote-ref-25)
26. Google <https://www.google.com/search?q=define+Internet&ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&client=firefox-a&channel=sb> [↑](#endnote-ref-26)
27. Christopher Alberts MCA Network Consultants, LLC [↑](#endnote-ref-27)
28. Christopher Alberts MCA Network Consultants, LLC [↑](#endnote-ref-28)
29. Christopher Alberts MCA Network Consultants, LLC [↑](#endnote-ref-29)
30. Christopher Alberts MCA Network Consultants, LLC [↑](#endnote-ref-30)
31. Google <https://www.google.com/search?q=define+Iaptop&ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&client=firefox-a&channel=sb> [↑](#endnote-ref-31)
32. Christopher Alberts MCA Network Consultants, LLC [↑](#endnote-ref-32)
33. Christopher Alberts MCA Network Consultants, LLC [↑](#endnote-ref-33)
34. Google <https://www.google.com/search?q=define+microwave+communication&ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&client=firefox-a&channel=sb> [↑](#endnote-ref-34)
35. Google <https://www.google.com/search?q=define+mobile+devcie&ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&client=firefox-a&channel=sb> [↑](#endnote-ref-35)
36. Google <https://www.google.com/search?q=define+data+network&ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&client=firefox-a&channel=sb> [↑](#endnote-ref-36)
37. Google <https://www.google.com/search?q=define+data+packet&ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&client=firefox-a&channel=sb> [↑](#endnote-ref-37)
38. Christopher Alberts MCA Network Consultants, LLC [↑](#endnote-ref-38)
39. Christopher Alberts MCA Network Consultants, LLC [↑](#endnote-ref-39)
40. Google <https://www.google.com/search?q=define+data+router&ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&client=firefox-a&channel=sb> [↑](#endnote-ref-40)
41. Christopher Albers MCA Network Consultants, LLC [↑](#endnote-ref-41)
42. Google <https://www.google.com/search?q=define+server&ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&client=firefox-a&channel=sb> [↑](#endnote-ref-42)
43. Christopher Alberts MCA Network Consultants, LLC [↑](#endnote-ref-43)
44. Business Dictionary <http://www.businessdictionary.com/definition/synchronous-transmission.html> [↑](#endnote-ref-44)
45. Free Online Encyclopedia <http://encyclopedia2.thefreedictionary.com/DS1> [↑](#endnote-ref-45)
46. Christopher Alberts MCA Network Consultants, LLC [↑](#endnote-ref-46)
47. Christopher Alberts MCA Network Consultants, LLC [↑](#endnote-ref-47)
48. Google <https://www.google.com/search?q=define+download&ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&client=firefox-a&channel=sb> [↑](#endnote-ref-48)
49. Christopher Alberts MCA Network Consultants, LLC [↑](#endnote-ref-49)
50. Google <https://www.google.com/search?q=define+Wi-Fi&ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&client=firefox-a&channel=sb> [↑](#endnote-ref-50)
51. Google <https://www.google.com/search?q=define+wireless&ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&client=firefox-a&channel=sb> [↑](#endnote-ref-51)
52. Christopher Alberts MCA Network Consultants, LLC [↑](#endnote-ref-52)
53. Christopher Alberts MCA Network Consultants, LLC [↑](#endnote-ref-53)