

Broadband Speed Requirements

Download Speeds	Upload Speeds	Service Type Examples	Typical Applications
768 Kbps - 1.5 Mbps	256 Kbps - 896 Kbps	DSL	Basic Email
		Cable Modem	Voice Over Internet Protocol (VOIP)
		Fiber Optics	Web Browsing
		Satellite	YouTube Video
		Cellular	
		Fixed Wireless	
1.5 Mbps - 3 Mbps	356 Kbps to 1 Mbps	DSL	Remote Surveillance
		Cable Modem	Telecommuting
		Fiber Optics	Streaming Music
		Satellite	Standard Definition Video
		Cellular	
		Fixed Wireless	
3 Mbps - 6 Mbps	356 Kbps to 1 Mbps	DSL	Enhanced Definition Digital Video
		Cable Modem	File Sharing (small/medium)
		Fixed Wireless	
		Fiber Optics	
6 Mbps - 10 Mbps	768 Kbps to 2 Mbps	DSL	Video On-Demand
		Cable Modem	Remote Diagnosis (basic)
		Fixed Wireless	
		Fiber Optic	Gaming
10 Mbps - 25 Mbps	2 Mbps to 5 Mbps	Cable Modem	Telemedicine
		Fixed Wireless	Remote Education
		Fiber Optics	
		Cable Modem	
25 Mbps - 100 Mbps	5 Mbps to <100 Mbps	Fiber Optics	HD Surveillance
		Fixed Wireless	Smart/Intelligent Bldg. Control
		Fiber Optics	Educational Services
More than 100 Mbps	≥ 100 Mbps		Multiple Educational Services
			Research Applications
			Remote Supercomputing

