**Zoom System requirements for Windows, macOS, and Linux**

**System requirements**

* An internet connection – broadband wired or wireless (3G or 4G/LTE)
* Speakers and a microphone – built-in or USB plug-in or wireless Bluetooth
* A webcam or HD webcam - built-in or USB plug-in
* Or, a HD cam or HD camcorder with video capture card

**Supported operating systems**

* macOS X with macOS 10.9 or later
* Windows 10\*  
  **Note**: For devices running Windows 10, they must run Windows 10 Home, Pro, or Enterprise. S Mode is not supported.
* Windows 8 or 8.1
* Windows 7
* Ubuntu 12.04 or higher
* Mint 17.1 or higher
* Red Hat Enterprise Linux 6.4 or higher
* Oracle Linux 6.4 or higher
* CentOS 6.4 or higher
* Fedora 21 or higher
* OpenSUSE 13.2 or higher
* ArchLinux (64-bit only)

**Supported tablet and mobile devices**

* [Surface PRO 2 or higher running Win 8.1 or higher](http://www.microsoft.com/surface/en-us/products/surface-pro-2)  
  **Note**: For tablets running Windows 10, they must run Windows 10 Home, Pro, or Enterprise. S Mode is not supported.
* [iOS and Android devices](https://support.zoom.us/hc/en-us/articles/201179966)
* Blackberry devices

**Supported browsers**

* Windows: IE 11+,  Edge 12+, Firefox 27+,  Chrome 30+
* Mac: Safari 7+, Firefox 27+,  Chrome 30+
* Linux: Firefox 27+,  Chrome 30+

**Note**: Some features in the [web client](https://support.zoom.us/hc/en-us/articles/360027397692) are not supported on IE.

**Processor and RAM requirements**

|  | **Minimum** | **Recommended** |
| --- | --- | --- |
| Processor | Single Core 1Ghz or Higher | Dual Core 2Ghz or Higher (i3/i5/i7 or AMD equivalent) |
| RAM | N/A | 4Gb |

**Notes:**

* Dual and single core laptops have a reduced frame rate when screen sharing (around 5 frames per second). For optimum screen sharing performance on laptops we recommend a quad core processor or higher.
* Linux requires a processor or graphics card that can support [OpenGL 2.0](https://en.wikipedia.org/wiki/OpenGL#OpenGL_2.0) or higher.

**High DPI support**

* High DPI displays are supported in Zoom version 3.5 or higher

**Bandwidth requirements**

The bandwidth used by Zoom will be optimized for the best experience based on the participants’ network. It will automatically adjust for 3G, WiFi or Wired environments.

Recommended bandwidth for meetings and webinar panelists:

* For 1:1 video calling:
  + 600kbps (up/down) for high quality video
  + 1.2 Mbps (up/down) for 720p HD video
  + Receiving 1080p HD video requires 1.8 Mbps (up/down)
  + Sending 1080p HD video requires 1.8 Mbps (up/down)
* For group video calling:
  + 800kbps/1.0Mbps (up/down) for high quality video
  + For gallery view and/or 720p HD video: 1.5Mbps/1.5Mbps (up/down)
  + Receiving 1080p HD video requires 2.5mbps (up/down)
  + Sending 1080p HD video requires 3.0 Mbps (up/down)
* For screen sharing only (no video thumbnail): 50-75kbps
* For screen sharing with  video thumbnail: 50-150kbps
* For audio VoiP: 60-80kbps
* For Zoom Phone: 60-100kbps

Recommended bandwidth for webinar attendees:

* For 1:1 video calling: 600kbps (down) for high quality video and 1.2 Mbps (down) for HD video
* For screen sharing only (no video thumbnail): 50-75kbps (down)
* For screen sharing with  video thumbnail: 50-150kbps (down)
* For audio VoiP: 60-80kbps (down)

**Zoom System requirements for iOS, iPadOS, and Android**

**Overview**

These are the requirements for using the Zoom Mobile App on iOS, iPadOS, and Android.

**Equipment**

* An Internet connection – WiFi (a/g/n/ac) or wireless (3G or 4G/LTE)
* (Optional) Bluetooth wireless speakers and microphone

**Supported operating systems**

* iOS 8.0 or later:
  + Send and receive video using front or rear camera
  + iPhone 4 or later, iPad Pro, iPad Mini, iPad 2 or later, iPod touch 4th Generation, iPhone 3GS (no front facing camera)
* iPadOS 13 or later
* Android 5.0x or later

**Supported browsers for web start**

* iOS/iPadOS: Safari5+, Chrome
* Android: Webkit (default), Chrome

**Processor requirement**

* Any 1 Ghz single core processor or better (non-Intel)

**Bandwidth recommendations**

The bandwidth used by Zoom will be optimized for the best experience based on the participants’ network.  It will automatically adjust for 3G or WiFi

Recommended bandwidth over WiFi:

* For 1:1 video calling: 600kbps (up/down) for high quality video and 1.2 Mbps (up/down) for HD video
* For group video calling: 600kbps/1.2Mbps (up/down) for high quality video. For gallery view: 1.5Mbps/1.5Mbps (up/down).

Was this article helpful?