

System Requirements

This document lists the system requirements for running Eagle Mode. Please read carefully.

- CPU:** Depends on screen resolution. Recommendation:
HD => single core, 2 GHz, 1 MB cache.
Full HD => dual core, 2.5 GHz, 2 MB cache.
Ultra HD => quad core, 3 GHz, 4 MB cache.
- Memory:** 8 GB RAM. This is a recommendation. If you run Eagle Mode with less memory, then please lessen the value for *Max Megabytes Per View* in the *General Preferences* (that's at the left end of the control view).
- Disk:** Installation of Eagle Mode itself requires about 50 MB disk space. In addition, a few hundred MB may be required for third-party programs and libraries, on which Eagle Mode depends. At run-time, it is recommended to have 1 GB free disk space for temporary files. The disk should be quite fast and without frequent sleep states (old notebook hard disks are not so suitable).
- Operating system:** An up-to-date Linux is recommended. Other UNIX-like systems may also be suitable. Eagle Mode even runs on Windows ≥ 10 .
- Graphics:** An accelerated graphics driver. On UNIX-like systems it should be an accelerated X-Server with a fast XShm extension. 3D acceleration is not needed. It is not recommended to use something like a 3D desktop or composite manager, because that could slow down Eagle Mode a lot.
- Mouse:** With three buttons (not emulated) and with a smooth-running wheel.

Programs & Libraries:

Program/Lib	Debian Package Name	Required?
perl 5 (≥ 5.8)	perl	By all means (but on Windows only for compilation)
gcc (GCC ≥ 4.9)	g++	Only for compilation. If you want to use another compiler, then please read the Compilers section at the end of MakeSystem.html , and make use of the option <code>compiler=name</code> when building.
X11R6 library	libx11-dev	By all means (not on Windows)
xterm	xterm	Highly recommended (not on Windows)
JPEG library	libjpeg-dev	Only for viewing jpeg files
PNG library	libpng-dev	Only for viewing png files
TIFF library	libtiff-dev	Only for viewing tiff files
WebP library	libwebp-dev	Only for viewing webp files
VLC library 3.x	libvlc-dev	Only for playing audio and video files
RSVG library 2.x	librsvg2-dev	Only for viewing svg files
Poppler-glib library	libpoppler-glib-dev	Only for viewing pdf files

GTK+ library	libgtk-3-dev	Only for viewing pdf files
freetype library 2.x	libfreetype6-dev	Only for extending the character set with font2em (not on Windows)
7z	p7zip-full	Only for working with 7z and zip files
ar	binutils	Only for working with ar files (not on Windows)
bzip2	bzip2	Only for working with bz and bz2 files
lzop	lzop	Only for working with lzo files (not on Windows)
pigz	pigz	Only for working with gz files
tar	tar	Only for working with tar files
xz	xz-utils	Only for working with lzma and xz files
abiword	abiword	Only for viewing files of type abw, doc, odt, rtf and some more (not on Windows)
curl	curl	Only for using the OpenStreetMap plugin
dia	dia	Only for viewing dia files (not on Windows)
dvipdf	ghostscript	Only for viewing dvi files (not on Windows)
ps2pdf	ghostscript	Only for viewing ps files (not on Windows)
fig2dev	transfig	Only for viewing fig files (not on Windows)
g3topbm	netpbm	Only for viewing g3 files (not on Windows)
htmldoc	htmldoc	Only for viewing html files (not on Windows)
isoinfo	genisoimage	Only for viewing infos from iso files (not on Windows)
povray	povray	Only for viewing pov files (not on Windows)
rpm	rpm	Only for viewing infos from rpm files (not on Windows)
wmf2svg	libwmf-bin	Only for viewing wmf files (not on Windows)
xwdtopnm	netpbm	Only for viewing xwd files (not on Windows)

Do not have the wrong program to a name

Eagle Mode runs many standard programs by names like they have on Debian GNU/Linux 13. Your system must not have another program with one of those names, otherwise unforeseeable things could happen. For example, Eagle Mode runs "tar" when it means the Tar archive utility, and therefore you should not have another program named "tar" which, for example, formats the hard disk. In detail, Eagle Mode runs standard UNIX shell commands like "cp", "mv", "rm", "grep" and so on, and it runs the programs listed in the table above. Many of these are run when you just navigate around in Eagle Mode, without asking you. In addition, many further programs (not listed above) are run by triggering the file manager commands. If you are unsure about the later, please study the file manager command scripts (see [*emFileMan Customization*](#) for a description of the scripts).

Next Reading: [Install and Start](#)