

Nomad Version 3 - Software System Requirements

Microsoft Windows 10 64-bit

All 64-bit versions of Microsoft Windows 10 or newer are supported. It is highly recommended to install all the latest Operating System updates.

32-bit versions of Windows, OSX or Linux are not supported.

8GB of system memory

Note that Nomad will exit on startup if it cannot find at least 2GB of available system memory.

CPU with 4 logical cores

Because of the performance requirements needed to record campaign data in real time, Nomad requires to be run on a PC with a CPU that has at least four logical cores.

Note: Intel Celeron and Atom CPUs are not supported, but Intel dual-core CPUs with hyperthreading enabled are. Intel Haswell i3 CPU or newer is recommended.

1920 x 1080 screen resolution

Note that Nomad will exit on startup if the main display resolution is lower than 1280x768. The user experience will be significantly degraded on resolutions below 1080p.

Solid State Storage

Nomad requires the use of solid-state storage for the output directory for several reasons, including fast random seek times to log dozens of metrics and archive audio on up to five channels, and ensuring safe execution during bumpy rides in a vehicle. Because of this, the "Recording Data" feature will be disabled unless the output directory is pointing to each a storage drive.

Note: While we highly recommend the use of a SSD class drive for the laptop used with Nomad, this requirement can be circumvented by the use of a fast USB thumb drive (30MB/s or better) for the output directory on a laptop that uses a conventional disk-based storage drive, to be used are the user's own risk.

Application License Key

Finally, to record campaign data and generate reports with Nomad, the user will need an unexpired application license key USB dongle. Please contact Octave Communications at support@octave.com for more information on how to acquire or extend your license.

Other Limitations

Regarding the use of third-party software: the laptop included in the kit has been configured and tested to run stable for multiple hours of campaign. The use of other software tools while Nomad is running is not recommended, as it may interfere with Nomad's ability to function properly and should be done at the risk of the user.

Regarding the use of virtual COM ports / GPS cloners: unfortunately, due to limitations in the NMEA SDK, Nomad does not support virtual COM ports. We highly recommend using a different GPS adapter for running another tool requiring a GPS unit (good) or running this tool on a separate laptop (best) to ensure Nomad functions properly.

Regarding the use of a USB hub: if you require to plug in more USB devices on the kit's laptop, please make sure to use a powered hub, as some devices will not work properly with an unpowered one. The spectrum analyzer is very picky about the power it gets from the USB port. If a powered USB hub ends up being used, it is recommended that the USB connector be fastened to the laptop to ensure it does not get wanked out of the laptop while on a campaign. A little piece of tape can go a long way to eliminate that risk.